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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:41 ; Search time 109.73 seconds
(without alignments)
4.377 Million cell updates/sec

Title: US-09-518-931-4_COPY_142_166
Perfect score: 141
Sequence: 1 GESWARGAPRSGRGRCGRQVAGP 25

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/1aa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	55.5	39.4	181	2	US-08-726-306A-56
2	53	37.6	461	1	US-08-194-338-4
3	51	36.2	470	2	US-08-933-821-6
4	51	36.2	470	3	US-08-960-507-6
5	50.5	35.8	594	2	US-08-785-310A-6
6	48	34.0	40	2	US-08-726-306A-48
7	47.5	33.7	412	1	US-08-349-696-21
8	47.5	33.7	412	1	US-08-233-009-21
9	47.5	33.7	412	2	US-08-560-231-21
10	47.5	33.7	412	4	US-09-080-704A-21
11	47	33.3	318	4	US-09-060-756-727
12	46.5	33.0	1958	1	US-07-945-283-2
13	46	32.6	223	1	US-07-667-276A-10
14	46	32.6	581	4	US-09-135-021-80
15	46	32.6	676	4	US-09-135-021-2
16	45.5	32.3	714	2	US-08-990-114-3
17	45	31.9	334	4	US-09-060-756-728
18	45	31.9	928	1	US-08-442-248-2
19	45	31.9	928	1	US-08-440-815-2
20	45	31.9	1005	2	US-08-469-537A-103
21	45	31.6	1345	2	US-08-977-767-3
22	44.5	31.6	53	3	US-08-897-924A-10
23	44.5	31.6	56	3	US-08-897-924A-2
24	44.5	31.6	58	3	US-08-897-924A-9
25	44.5	31.6	67	3	US-08-897-924A-8
26	44.5	31.6	210	1	US-08-464-590A-14
27	44.5	31.6	210	2	US-08-207-412B-9

28	44.5	31.6	210	4	US-09-093-585-14	Sequence 14, Appl
29	44.5	31.6	226	1	US-07-828-798C-7	Sequence 7, Appl
30	44.5	31.6	226	2	US-08-315-868A-7	Sequence 7, Appl
31	44.5	31.6	226	3	US-08-493-819B-7	Sequence 7, Appl
32	44.5	31.6	246	1	US-07-828-798C-6	Sequence 6, Appl
33	44.5	31.6	246	2	US-08-315-868A-6	Sequence 6, Appl
34	44.5	31.6	246	3	US-08-493-819B-6	Sequence 6, Appl
35	44.5	31.6	266	1	US-08-812-025-10	Sequence 10, Appl
36	44.5	31.6	266	4	US-07-791-931-10	Sequence 10, Appl
37	44	31.2	243	1	US-08-021-608D-6	Sequence 6, Appl
38	44	31.2	243	1	US-08-726-160-6	Sequence 6, Appl
39	44	31.2	243	5	PCT-US94-01782-6	Sequence 6, Appl
40	44	31.2	590	1	US-08-021-608D-8	Sequence 8, Appl
41	44	31.2	590	1	US-08-726-160-8	Sequence 8, Appl
42	44	31.2	590	5	PCT-US94-01782-8	Sequence 8, Appl
43	44	31.2	643	1	US-08-021-608D-10	Sequence 10, Appl
44	44	31.2	643	1	US-08-726-160-10	Sequence 10, Appl
45	44	31.2	643	5	PCT-US94-01782-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-08-726-306A-56
; Sequence 56, Application US/08726306A
; Patent No. 5958684
; GENERAL INFORMATION:
; APPLICANT: van Leeuwen, Frederik Willem
; APPLICANT: Burbach, Johannes Peter Henr
; APPLICANT: Grosveld, Franklin G.
; TITLE OF INVENTION: DIAGNOSIS METHOD AND REAGENTS
; NUMBER OF SEQUENCES: 189
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 1 Financial Center
; CITY: Boston
; STATE: MA
; COUNTRY: US
; ZIP: 02111
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WordPerfect 6.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/726,306A
; FILING DATE: 02-Oct-1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 95/20080.4
; FILING DATE: 02-Oct-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/009,832
; FILING DATE: 01-Jan-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Williams, Ph.D., Kathleen M.
; REGISTRATION NUMBER: 34,380
; REFERENCE/DOCKET NUMBER: 96,048-A (3255/00784)
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 345-9100
; TELEFAX: (617) 345-9111
; INFORMATION FOR SEQ ID NO: 56:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 181 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
; US-08-726-306A-56

Query Match 39.4%; Score 55.5; DB 2: Length 181;
Best Local Similarity 57.1%; Pred. No. 2.8;

; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 470 amino acids
 ; TYPE: Amino acid
 ; TOPOLOGY: Linear
 US-08-960-507-6

Query Match 36.2%; Score 51; DB 3; Length 470;
 Best Local Similarity 81.8%; Pred. No. 24;
 Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 GESWARGGAPR 11
 Db 16 GASWARAGAPR 26

RESULT 5
 US-08-785-310A-6
 ; Sequence 6, Application US/08785310A
 ; Patent No. 5840532

; GENERAL INFORMATION:
 ; APPLICANT: McKnight, Steven L.
 ; APPLICANT: Russell, David W.
 ; TITLE OF INVENTION: Neuronal PAS Domain Protein
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
 ; STREET: 268 BUSH STREET, SUITE 3200
 ; CITY: SAN FRANCISCO
 ; STATE: CALIFORNIA
 ; COUNTRY: USA
 ; ZIP: 94104

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/785.310A
 ; FILING DATE: 21-JAN-1997
 ; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:
 ; NAME: OSMAN, RICHARD A
 ; REGISTRATION NUMBER: 36,627
 ; REFERENCE/DOCKET NUMBER: UTSD:1226
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 343-4341
 ; TELEFAX: (415) 343-4342

; INFORMATION FOR SEQ ID NO: 6:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 594 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 US-08-785-310A-6

Query Match 35.8%; Score 50.5; DB 2; Length 594;
 Best Local Similarity 61.1%; Pred. No. 35;
 Matches 11; Conservative 2; Mismatches 2; Indels 3; Gaps 1;

Qy 10 PRSGGR---RCGRGOVAG 24
 Db 6 PRSGGRGEVKCGGRGAG 23

RESULT 6
 US-08-726-306A-48
 ; Sequence 48, Application US/08726306A
 ; Patent No. 5958684
 ; GENERAL INFORMATION:

; APPLICANT: van Leeuwen, Frederik Willem
 ; APPLICANT: Burbach, Johannes Peter Henri
 ; APPLICANT: Grosveld, Franklin G.
 ; TITLE OF INVENTION: DIAGNOSIS METHOD AND REAGENTS
 ; NUMBER OF SEQUENCES: 189
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Banner & Witcoff, Ltd.
 ; STREET: 1 Financial Center
 ; CITY: Boston
 ; STATE: MA
 ; COUNTRY: US
 ; ZIP: 02111

; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 Mb storage
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WordPerfect 6.1

; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/726.306A
 ; FILING DATE: 02-Oct-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: GB 95/20080.4
 ; FILING DATE: 02-Oct-1995
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/009,832
 ; FILING DATE: 01-Jan-1996

; ATTORNEY/AGENT INFORMATION:
 ; NAME: Williams, Ph.D., Kathleen M.
 ; REGISTRATION NUMBER: 34,380
 ; REFERENCE/DOCKET NUMBER: 96,048-A (3255/00784)
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (617) 345-9100

; TELEFAX: (617) 345-9111

; INFORMATION FOR SEQ ID NO: 48:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 40 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: peptide
 US-08-726-306A-48

Query Match 34.0%; Score 48; DB 2; Length 40;
 Best Local Similarity 47.6%; Pred. No. 6.2;
 Matches 10; Conservative 2; Mismatches 7; Indels 2; Gaps 1;

Qy 4 WARG--GAPRGGRCRGQV 22
 Db 2 WGRGEGMGEGGRRRGEGKI 22

RESULT 7
 US-08-349-696-21
 ; Sequence 21, Application US/08349696
 ; Patent No. 5599671
 ; GENERAL INFORMATION:
 ; APPLICANT: Jacobson, Marlene A
 ; APPLICANT: Johnson, Robert G
 ; APPLICANT: Luneau, Christopher J
 ; APPLICANT: Salvatore, Christopher A
 ; TITLE OF INVENTION: Human Adenosine Receptors
 ; NUMBER OF SEQUENCES: 28
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Merck & Co., Inc.
 ; STREET: P.O. Box 2000
 ; CITY: Rahway
 ; STATE: NJ
 ; COUNTRY: United States
 ; ZIP: 07065
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: Macintosh IIci

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; OPERATING SYSTEM: Macintosh
; SOFTWARE: Microsoft Word 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/349,696
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: us/08/005945
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 186991A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-4678
; TELEFAX: (908)594-4720
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-349-696-21

```

Query Match 33.7%; Score 47.5; DB 1; Length 412;
 Best Local Similarity 43.5%; Pred. No. 60;
 Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

```

QY 4 WARGAPRSG---GRRCGRGQVA 23
| | | | |
Db 143 WNNCGPKCKGKNSQCGGEQVA 165

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RESULT 8
US-08-233-009-21
; Sequence 21, Application US/08233009
; Patent No. 5646156
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Marlene A
; APPLICANT: Johnson, Robert G
; APPLICANT: Salvatore, Christopher A
; TITLE OF INVENTION: INHIBITION OF EOSINOPHIL
; TITLE OF INVENTION: ACTIVATION THROUGH A3 ADENOSINE RECEPTOR ANTAGONISM
; NUMBER OF SEQUENCES: 56
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: New Jersey
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/233,009
; FILING DATE: 25-APR-1994
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Bencen, Gerard H
; REGISTRATION NUMBER: 35,746
; REFERENCE/DOCKET NUMBER: 19219
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 594-3901
; TELEFAX: (908)594-4720
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid

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; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOPHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; US-08-233-009-21

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Query Match 33.7%; Score 47.5; DB 1; Length 412;
 Best Local Similarity 43.5%; Pred. No. 60;
 Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

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QY 4 WARGAPRSG---GRRCGRGQVA 23
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Db 143 WNNCGPKCKGKNSQCGGEQVA 165

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RESULT 9
US-08-560-231-21
; Sequence 21, Application US/08560231
; Patent No. 5817760
; GENERAL INFORMATION:
; APPLICANT: Jacobson, Marlene A
; APPLICANT: Johnson, Robert G
; APPLICANT: Luneau, Christopher J
; APPLICANT: Salvatore, Christopher A
; TITLE OF INVENTION: Human Adenosine Receptors
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Merck & Co., Inc.
; STREET: P.O. Box 2000
; CITY: Rahway
; STATE: NJ
; COUNTRY: United States
; ZIP: 07065
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: Macintosh Iici
; OPERATING SYSTEM: Macintosh
; SOFTWARE: Microsoft Word 5.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/560,231
; FILING DATE:
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Meredith, Roy D.
; REGISTRATION NUMBER: 30,777
; REFERENCE/DOCKET NUMBER: 186991A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908)594-4678
; TELEFAX: (908)594-4720
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 412 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-560-231-21

```

Query Match 33.7%; Score 47.5; DB 2; Length 412;
 Best Local Similarity 43.5%; Pred. No. 60;
 Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

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QY 4 WARGAPRSG---GRRCGRGQVA 23
| | | | |
Db 143 WNNCGPKCKGKNSQCGGEQVA 165

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RESULT 10
US-09-080-704A-21
; Sequence 21, Application US/09080704A

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Patent No. 6166181
 GENERAL INFORMATION:
 APPLICANT: Jacobson, Marlene A
 APPLICANT: Johnson, Robert G
 APPLICANT: Luneau, Christopher J
 APPLICANT: Salvatore, Christopher A
 TITLE OF INVENTION: Human Adenosine Receptors
 NUMBER OF SEQUENCES: 28
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O. Box 2000
 CITY: Rahway
 STATE: NJ
 COUNTRY: United States
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: Windows NT
 SOFTWARE: Word 97
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/080,704A
 FILING DATE: 18 May 1998
 CLASSIFICATION: 530
 ATTORNEY/AGENT INFORMATION:
 NAME: Parr, Richard S.
 REGISTRATION NUMBER: 32,586
 REFERENCE/DOCKET NUMBER: 18699DB
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (732)594-4958
 TELEFAX: (732)594-4720
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 412 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-09-080-704A-21

Query Match 33.7%; Score 47.5; DB 4; Length 412;
 Best Local Similarity 43.5%; Pred. No. 60;
 Matches 10; Conservative 2; Mismatches 8; Indels 3; Gaps 1;

QY 4 WARGGAPRSG---GRCGRGOVA 23
 Db 143 WNNCGQPKKGKNSQGGEGQVA 165
 RESULT 11
 US-09-060-756-727
 Sequence 727, Application US/09060756
 Patent No. 6183957
 GENERAL INFORMATION:
 APPLICANT: Cole, Stewart
 APPLICANT: Buchrieser-Brosch, Roland
 APPLICANT: Gordon, Stephen
 APPLICANT: Billault, Alain
 TITLE OF INVENTION: METHOD FOR ISOLATING A POLYNUCLEOTIDE OF INTEREST FROM
 TITLE OF INVENTION: THE GENOME OF A MYCOBACTERIUM USING A BAC-BASED DNA
 FILE REFERENCE: 3495-0169
 CURRENT APPLICATION NUMBER: US/09/060,756
 CURRENT FILING DATE: 1998-04-16
 NUMBER OF SEQ ID NOS: 743
 SOFTWARE: PatentIn Ver. 2.0
 SEQ ID NO 727
 LENGTH: 318
 TYPE: PRT
 ORGANISM: Mycobacterium sp.
 US-09-060-756-727

Query Match 33.3%; Score 47; DB 4; Length 318;
 Best Local Similarity 42.9%; Pred. No. 54;
 Matches 9; Conservative 1; Mismatches 11; Indels 0; Gaps 0;

QY 4 WARGGAPRSGRRRCGRGOVAG 24
 Db 58 WCTGGAGGAGSSAGGGAGG 78

RESULT 12
 US-07-945-283-2
 Sequence 2, Application US/07945283
 Patent No. 5352596
 GENERAL INFORMATION:
 APPLICANT: Cheung, Andrew K.
 APPLICANT: Wesley, Ronald D.
 TITLE OF INVENTION: Pseudorabies Virus Deletion Mutants
 TITLE OF INVENTION: Involving The EP0 and LLT Genes
 NUMBER OF SEQUENCES: 7
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Curtis P. Ribando
 STREET: 1815 No. 5352596th University Street
 CITY: Peoria
 STATE: IL
 COUNTRY: USA
 ZIP: 61604
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/945,283
 FILING DATE: 19920911
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Ribando, Curtis P
 REGISTRATION NUMBER: 27976
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 309-685-4011 ext.513
 TELEFAX: 309-685-4128
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 1958 amino acids
 TYPE: AMINO ACID
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-07-945-283-2

Query Match 33.0%; Score 46.5; DB 1; Length 1958;
 Best Local Similarity 62.5%; Pred. No. 3.3e+02;
 Matches 10; Conservative 1; Mismatches 4; Indels 1; Gaps 1;

QY 7 GGAPRSGRRRCGRGOV 22
 Db 1683 GGCP-GGGGRAGRGEV 1697

RESULT 13
 US-07-667-276A-10
 Sequence 10, Application US/07667276A
 Patent No. 5470971
 GENERAL INFORMATION:
 APPLICANT: Kondo, Keiji
 APPLICANT: Inouye, Masayori
 TITLE OF INVENTION: STRESS-INDUCED PROTEINS, GENES CODING
 TITLE OF INVENTION: THEREFOR, TRANSFORMED CELLS OF ORGANISMS, METHODS AND
 TITLE OF INVENTION: APPLICATIONS
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Weiser & Associates
 US-07-667-276A-10

STREET: 230 S. Fifteenth Street, Suite 500
CITY: Philadelphia
STATE: PA
COUNTRY: USA
ZIP: 19102
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/667,276A
FILING DATE: 11-MAR-1991
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Weiser, Gerard J.
REGISTRATION NUMBER: 19,763
REFERENCE/DOCKET NUMBER: 377,535IP
TELECOMMUNICATION INFORMATION:
TELEPHONE: 215-875-8383
TELEFAX: 215-875-8394
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-07-667-276A-10

Query Match 32.6%; Score 46; DB 1; Length 223;
Best Local Similarity 45.8%; Pred. No. 53;
Matches 11; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

QY 1 GESWARGGAPRSGGRRRCRGQVAG 24
Db 168 GRGGGGGFGGGRGGGGRGGFGG 191

RESULT 14
US-09-135-021-80
; Sequence 80, Application US/09135021A
; Patent No. 6150104
; GENERAL INFORMATION:
; APPLICANT: Splawski, Igor
; APPLICANT: Keating, Mark T.
; TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQ1 WHICH CAUSES JERVELL
; FILE REFERENCE: 2323-128
; CURRENT APPLICATION NUMBER: US/09/135,021A
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/874,655
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/094,477
; EARLIER FILING DATE: 1998-07-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 80
; LENGTH: 581
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-021-80

Query Match 32.6%; Score 46; DB 4; Length 581;
Best Local Similarity 37.9%; Pred. No. 1.3e+02;
Matches 11; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

QY 1 GESWARGGAPRSGG----RRCRGQVAGP 25
Db 527 GSTPGSGGPPREGGAHITPCGSGGSVDP 555

RESULT 15
US-09-135-021-2
; Sequence 2, Application US/09135021A
; Patent No. 6150104
; GENERAL INFORMATION:
; APPLICANT: Splawski, Igor
; APPLICANT: Keating, Mark T.
; TITLE OF INVENTION: A HOMOZYGOUS MUTATION IN KVLQ1 WHICH CAUSES JERVELL
; FILE REFERENCE: 2323-128
; CURRENT APPLICATION NUMBER: US/09/135,021A
; CURRENT FILING DATE: 1998-08-17
; EARLIER APPLICATION NUMBER: 08/874,655
; EARLIER FILING DATE: 1997-06-13
; EARLIER APPLICATION NUMBER: 60/094,477
; EARLIER FILING DATE: 1998-07-29
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 676
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-135-021-2

Query Match 32.6%; Score 46; DB 4; Length 676;
Best Local Similarity 37.9%; Pred. No. 1.4e+02;
Matches 11; Conservative 2; Mismatches 12; Indels 4; Gaps 1;

QY 1 GESWARGGAPRSGG----RRCRGQVAGP 25
Db 622 GSTPGSGGPPREGGAHITPCGSGGSVDP 650

Search completed: May 23, 2001, 15:56:56
Job time: 189 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:37 ; Search time 109.73 seconds
(without alignments)
2.101 Million cell updates/sec

Title: US-09-518-931-4_COPY_108_119

Perfect score: 73

Sequence: 1 THNRACRCRTGF 12

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

- Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pap.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pap.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pap.*
4: /cgn2_6/ptodata/2/1aa/6B_COMB.pap.*
5: /cgn2_6/ptodata/2/1aa/PCTUS_COMB.pap.*
6: /cgn2_6/ptodata/2/1aa/backfiles.pap.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	73	100.0	300	2	US-08-794-796-2
2	49	67.1	401	3	US-08-974-022-6
3	49	67.1	401	4	US-09-042-785A-12
4	47	64.4	207	3	US-08-974-022-47
5	47	64.4	325	1	US-08-292-549-2
6	47	64.4	325	4	US-09-042-785A-9
7	47	64.4	325	5	PCT-US91-02207-2
8	47	64.4	401	3	US-08-974-022-2
9	47	64.4	401	3	US-08-974-022-4
10	47	64.4	401	4	US-09-042-785A-13
11	46	63.0	355	1	US-08-292-549-6
12	46	63.0	4544	1	US-08-469-486-52
13	46	63.0	4544	2	US-08-469-658-52
14	44	60.3	685	4	US-08-872-855-2
15	43	58.9	191	3	US-08-974-022-52
16	43	58.9	256	5	US-08-236-918A-6
17	43	58.9	256	5	PCT-US96-03965-2
18	41	56.2	713	4	US-08-872-855-5
19	40	54.8	44	2	US-08-484-434C-24
20	40	54.8	88	1	US-08-469-202-20
21	39	53.4	119	2	US-08-219-237B-3
22	39	53.4	219	3	US-08-974-022-45
23	39	53.4	277	2	US-08-147-784-2
24	39	53.4	314	1	US-08-444-231-19
25	39	53.4	314	1	US-08-152-443A-19
26	39	53.4	314	5	PCT-US95-17083-4
27	39	53.4	335	2	US-08-219-237B-2

28	39	53.4	335	2	US-08-409-338-1	Sequence 1, Appli
29	39	53.4	335	4	US-08-815-469-6	Sequence 6, Appli
30	39	53.4	335	4	US-09-290-640-2	Sequence 2, Appli
31	39	53.4	335	5	PCT-US95-17083-2	Sequence 2, Appli
32	38	52.1	120	3	US-08-974-022-42	Sequence 42, Appli
33	38	52.1	132	1	US-08-208-008C-2	Sequence 2, Appli
34	38	52.1	163	2	US-08-219-237B-5	Sequence 5, Appli
35	38	52.1	164	2	US-08-232-087A-9	Sequence 9, Appli
36	38	52.1	206	1	US-08-097-827-7	Sequence 7, Appli
37	38	52.1	206	1	US-08-494-574-7	Sequence 7, Appli
38	38	52.1	227	3	US-08-974-022-48	Sequence 48, Appli
39	38	52.1	241	2	US-08-460-309-17	Sequence 17, Appli
40	38	52.1	241	2	US-08-125-077-17	Sequence 17, Appli
41	38	52.1	380	3	US-08-468-846-2	Sequence 2, Appli
42	38	52.1	388	1	US-08-290-448A-80	Sequence 80, Appli
43	38	52.1	388	1	US-08-290-448A-80	Sequence 80, Appli
44	38	52.1	388	1	US-08-175-069A-80	Sequence 80, Appli
45	38	52.1	438	1	US-08-097-827-11	Sequence 11, Appli

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; TITLE OF INVENTION: TR4
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 100.0% Score 73; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 THNRACRGTG 12
Db 108 THNRACRGTG 119

RESULT 2
US-08-974-022-6
; Sequence 6, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-6

Query Match 67.1%; Score 49; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 1.8;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRGTG 11
Db 100 THNRVCECKG 110

RESULT 3
US-09-042-785A-12
; Sequence 12, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; TITLE OF INVENTION: AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E.
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-042-785A-12

Query Match 67.1%; Score 49; DB 4; Length 401;
Best Local Similarity 63.6%; Pred. No. 1.8;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRGTG 11
Db 100 THNRVCECKG 110

RESULT 4
US-08-974-022-47
; Sequence 47, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 47:

; SEQUENCE CHARACTERISTICS:
; LENGTH: 207 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-47

Query Match 64.4%; Score 47; DB 3; Length 207;
Best Local Similarity 63.6%; Pred. No. 2;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
||| | | | |
Db 99 THDRVCNCSTG 109

RESULT 5

US-08-292-549-2

; Sequence 2, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,549
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/963,330
; FILING DATE: 10/19/92
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2602-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-292-549-2

Query Match 64.4%; Score 47; DB 1; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
||| | | | |
Db 99 THDRVCNCSTG 109

RESULT 6

US-09-042-785A-9

; Sequence 9, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 325 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
US-09-042-785A-9

Query Match 64.4%; Score 47; DB 4; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

Qy 1 THNRACRRTG 11
||| | | | |
Db 99 THDRVCNCSTG 109

RESULT 7

PCT-US91-02207-2

; Sequence 2, Application PC/TUS9102207
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein Cytokine Antagonists
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.24
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US91/02207

;; FILING DATE: 19910329
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2602
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 587-0606
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 325 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
PCT-US91-02207-2

Query Match 64.4%; Score 47; DB 5; Length 325;
Best Local Similarity 63.6%; Pred. No. 3;
Matches 7; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | |
DB 99 THDRVCNCSG 109

RESULT 8
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match 64.4%; Score 47; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 3.7;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | |
DB 100 THNRVCEEG 110
RESULT 9
US-08-974-022-4
; Sequence 4, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-4

Query Match 64.4%; Score 47; DB 3; Length 401;
Best Local Similarity 63.6%; Pred. No. 3.7;
Matches 7; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1 THNRACRRTG 11
||| | | |
DB 100 THNRVCEEG 110

RESULT 10
US-09-042-785A-13
; Sequence 13, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; AND USES THEREFOR
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:

;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/042,785A
;; FILING DATE: 17-MAR-1998
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/938,896
;; FILING DATE: 26-SEP-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Mandragouras, Amy E
;; REGISTRATION NUMBER: 36,207
;; REFERENCE/DOCKET NUMBER: MEI-001CP
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)227-7400
;; TELEFAX: (617)742-4214
;; INFORMATION FOR SEQ ID NO: 13:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 401 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FRAGMENT TYPE: Internal
US-09-042-785A-13

Query Match 64.4%; Score 47; DB 4; Length 401;
Best Local Similarity 63.6%; Pred.No. 3.7; Indels 0; Gaps 0;
Matches 7; Conservative 0; Mismatches 4;

QY 1 THNRACRCRTG 11
 |||||
DB 100 THNRVCECEG 110

RESULT 11
US-08-292-549-6
; Sequence 6, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/292,549
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/963,330
; FILING DATE: 10/19/92
; ATTORNEY/AGENT INFORMATION:
; NAME: Perkins, Patricia A.
; REGISTRATION NUMBER: 34,693
; REFERENCE/DOCKET NUMBER: 2602-A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 587-0430
; TELEFAX: (206) 233-0644
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:

;; LENGTH: 355 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-292-549-6

Query Match 63.0%; Score 46; DB 1; Length 355;
Best Local Similarity 58.3%; Pred.No. 4.6;
Matches 7; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 THNRACRCRTGF 12
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DB 103 THNRICDCAPGY 114

RESULT 12
US-08-469-486-52
; Sequence 52, Application US/08469486
; Patent No. 5739281
; GENERAL INFORMATION:
; APPLICANT: Thøgersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: Improved method for the refolding of
; TITLE OF INVENTION: proteins
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; SOFTWARE: #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,486
; FILING DATE:
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4544 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-486-52

Query Match 63.0%; Score 45; DB 1; Length 4544;
Best Local Similarity 77.8%; Pred.No. 48;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 RACRCRTGF 12
 |||||
DB 502 RTCRCRSGF 510

RESULT 13
US-08-469-658-52
; Sequence 52, Application US/08469658
; Patent No. 5917018
; GENERAL INFORMATION:
; APPLICANT: Th egersen, Hans Christian
; APPLICANT: Holtet, Thor Las
; APPLICANT: Etzerodt, Michael
; TITLE OF INVENTION: IMPROVED METHOD FOR THE REFOLDING OF
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 58
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 225 Franklin Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02110-2804
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/469,658
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/192,060
; FILING DATE: February 4, 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Paul T. Clark
; REGISTRATION NUMBER: 30,162
; REFERENCE/DOCKET NUMBER: 06363/002002
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617 542 5070
; TELEFAX: 617 542 8906
; TELEX: 200154
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4544 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-469-658-52

Query Match 63.0%; Score 46; DB 2; Length 4544;
Best Local Similarity 77.8%; Pred. No. 48;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 4 RACRCRTGTF 12
DB 502 RTCRCRSGF 510

RESULT 14
US-08-872-855-2
; Sequence 2, Application US/08872855
; Patent No. 6121045
; GENERAL INFORMATION:
; APPLICANT: McCarthy, Sean
; APPLICANT: Gearing, David
; TITLE OF INVENTION: NOVEL HUMAN DELTA3 COMPOSITIONS AND
; TITLE OF INVENTION: THERAPEUTIC USES THEREFOR
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: FOLEY, HOAG & ELIOT LLP
; STREET: One Post Office Square

; CITY: Boston
; STATE: MA
; COUNTRY: USA
; ZIP: 02109-2170
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/872,855
; FILING DATE: 11-JUN-1997
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Arnold, Beth E.
; REGISTRATION NUMBER: 35,430
; REFERENCE/DOCKET NUMBER: MAA-003.02
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-832-1000
; TELEFAX: 617-832-7000
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 685 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-872-855-2

Query Match 60.3%; Score 44; DB 4; Length 685;
Best Local Similarity 70.0%; Pred. No. 17;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 3 NRACRCRTGTF 12
DB 423 SRMCRCPGF 432

RESULT 15
US-08-974-022-52
; Sequence 52, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 52:
; SEQUENCE CHARACTERISTICS:

;
; LENGTH: 191 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-52

Query Match 58.9%; Score 43; DB 3; Length 191;
Best Local Similarity 58.3%; Pred. No. 7.4;
Matches 7; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 THNRACRCRTGF 12
||| | |
Db 80 THNAECIEGF 91

Search completed: May 23, 2001, 15:56:37
Job time: 170 sec

This Page Blank (uspto)

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:37 ; Search time 109.73 seconds
(without alignments)
1.751 Million cell updates/sec

Title: US-09-518-931-4_COPY_129_138

Perfect score: 59

Sequence: 1 HASCPPGAGV 10

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database :

Issued Patents_AA.*

1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*

2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*

3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*

4: /cgn2_6/ptodata/2/1aa/6B_COMB.pep.*

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6: /cgn2_6/ptodata/2/1aa/backfiles!.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	59	100.0	300	2	US-08-794-796-2
2	51	86.4	401	3	US-08-974-022-4
3	51	86.4	401	4	US-09-042-785A-13
4	49	83.1	401	3	US-08-974-022-2
5	48	81.4	401	3	US-08-974-022-6
6	48	81.4	401	4	US-09-042-785A-12
7	46	78.0	346	2	US-08-602-359A-34
8	43	72.9	228	4	US-08-911-423-6
9	43	72.9	232	4	US-08-911-423-7
10	43	72.9	241	4	US-08-911-423-4
11	43	72.9	311	4	US-08-911-423-8
12	40	67.8	41	1	US-08-050-319B-39
13	40	67.8	41	2	US-08-465-982-39
14	40	67.8	162	2	US-08-219-237B-7
15	40	67.8	2050	2	US-08-347-594A-2
16	40	67.8	2050	3	US-08-896-449A-2
17	40	67.8	2813	3	US-09-132-652-2
18	40	67.8	2813	3	US-08-665-259-26
19	39	66.1	1375	3	US-08-762-500-26
20	39	66.1	1375	3	US-08-067-626-4
21	38	64.4	414	4	US-08-448-722A-4
22	37	62.7	427	3	US-09-059-522-3
23	36	61.0	452	3	US-09-382-027-3
24	36	61.0	452	4	US-09-059-522-1
25	36	61.0	621	3	US-09-382-027-1
26	36	61.0	621	4	US-08-444-231-20
27	35	59.3	13	1	US-08-152-443A-20

28	35	59.3	13	1	US-08-152-443A-20	Sequence 20, Appl
29	35	59.3	119	2	US-08-219-237B-3	Sequence 3, Appl
30	35	59.3	149	5	PCT-US95-17083-6	Sequence 6, Appl
31	35	59.3	189	3	US-08-646-273-14	Sequence 14, Appl
32	35	59.3	219	3	US-08-974-022-45	Sequence 45, Appl
33	35	59.3	229	1	US-08-383-750-6	Sequence 6, Appl
34	35	59.3	229	2	US-08-684-687-2	Sequence 2, Appl
35	35	59.3	229	3	US-08-352-678-6	Sequence 6, Appl
36	35	59.3	230	5	PCT-US93-09636-6	Sequence 6, Appl
37	35	59.3	259	2	US-07-857-224B-51	Sequence 51, Appl
38	35	59.3	314	1	US-08-444-231-19	Sequence 19, Appl
39	35	59.3	314	1	US-08-152-443A-19	Sequence 19, Appl
40	35	59.3	314	5	PCT-US95-17083-4	Sequence 4, Appl
41	35	59.3	335	2	US-08-219-237B-2	Sequence 2, Appl
42	35	59.3	335	2	US-08-409-338-1	Sequence 1, Appl
43	35	59.3	335	4	US-08-815-469-6	Sequence 6, Appl
44	35	59.3	335	4	US-09-290-640-2	Sequence 2, Appl
45	35	59.3	335	5	PCT-US95-17083-2	Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5865800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; TITLE OF INVENTION: TR4
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794.796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2

Query Match 100.0% Score 59; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.064; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 129 HASCPPGAGV 138

RESULT 2
US-08-974-022-4
; Sequence 4, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-4

Query Match 86.4%; Score 51; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 1.3; Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 121 HRCPPGSGV 130

RESULT 3
US-09-042-785A-13
; Sequence 13, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-13

Query Match 86.4%; Score 51; DB 4; Length 401;
Best Local Similarity 80.0%; Pred. No. 1.3; Matches 8; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
Db 121 HRCPPGSGV 130

RESULT 4
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Angen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 83.1%; Score 49; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 2.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 5

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Angen Inc.
STREET: 1840 Dehaviiland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 81.4%; Score 48; DB 3; Length 401;
Best Local Similarity 80.0%; Pred. No. 3.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 6

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 81.4%; Score 48; DB 4; Length 401;
Best Local Similarity 80.0%; Pred. No. 3.6;
Matches 8; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 121 HRSPPGLGV 130

RESULT 7

US-08-602-359A-34
Sequence 34, Application US/08602359A
Patent No. 5942430
GENERAL INFORMATION:
APPLICANT: ROBERTSON, Daniel E.
APPLICANT: MURPHY, Dennis
APPLICANT: REID, John
APPLICANT: MAFFIA, Anthony
APPLICANT: LINK, Steven
APPLICANT: SWANSON, Ronald V.
APPLICANT: WARREN, Patrick V.
APPLICANT: KOSMOTRA, Anna
TITLE OF INVENTION: ESTERASES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & RICHARDSON P.C.
STREET: 4225 EXECUTIVE SQUARE, STE 1400
CITY: LA JOLLA
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,359A
FILING DATE: February 16, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HAILE, LISA A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 09010/010001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-602-359A-34

Query Match 78.0%; Score 46; DB 2; Length 346;
Best Local Similarity 77.8%; Pred. No. 6.2;
Matches 7; Conservative 0; Mismatches 2; Indels 2; Gaps 0;

QY 1 HASCPPGAG 9
| | | | | | | | | |
DB 337 HECPPGAG 345

RESULT 8

US-08-911-423-6
Sequence 6, Application US/08911423
Patent No. 6111090
GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
APPLICANT: Randall, Troy D.
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
TITLE OF INVENTION: REAGENTS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/911,423
FILING DATE: 14-AUG-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,419
FILING DATE: 16-AUG-1996
FILING DATE: 07-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/027,901
FILING DATE: 16-AUG-1996
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0612K
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-852-9196

TELEFAX: 650-496-1200
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 228 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-911-423-6

Query Match 72.9%; Score 43; DB 4; Length 228;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | | | | | | |
DB 85 HHCPGPGGV 94

RESULT 9

US-08-911-423-7
Sequence 7, Application US/08911423
Patent No. 6111090
GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
APPLICANT: Randall, Troy D.
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
TITLE OF INVENTION: REAGENTS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304-1104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/911,423
FILING DATE: 14-AUG-1997
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,419
FILING DATE: 16-AUG-1996
FILING DATE: 07-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/027,901
FILING DATE: 16-AUG-1996
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0612K
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-852-9196
TELEFAX: 650-496-1200
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 232 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-911-423-7

Query Match 72.9%; Score 43; DB 4; Length 232;
Best Local Similarity 70.0%; Pred. No. 12;
Matches 7; Conservative 0; Mismatches 3; Indels 3; Gaps 0;

Qy 1 HASCPPGAGV 10
 Db 85 HHPCPPGGV 94

RESULT 10

US-08-911-423-4
 ; Sequence 4, Application US/08911423
 ; Patent No. 611090
 ; GENERAL INFORMATION:
 ; APPLICANT: Gorman, Daniel M.
 ; APPLICANT: Randall, Troy D.
 ; APPLICANT: Zlotnik, Albert
 ; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
 ; TITLE OF INVENTION: REAGENTS
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: DNAX Research Institute
 ; STREET: 901 California Avenue
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94304-1104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/911.423
 ; FILING DATE: 14-AUG-1997
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/023,419
 ; FILING DATE: 16-AUG-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/027,901
 ; FILING DATE: 07-OCT-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ching, Edwin P.
 ; REGISTRATION NUMBER: 34,090
 ; REFERENCE/DOCKET NUMBER: DX0612K
 ; TELEPHONE: 650-852-9196
 ; TELEFAX: 650-496-1200
 ; INFORMATION FOR SEQ ID NO: 4:
 ; LENGTH: 241 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; US-08-911-423-4

Query Match 72.9%; Score 43; DB 4; Length 241;
 Best Local Similarity 70.0%; Pred. No. 12;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
 Db 91 HHPCPPGGV 100

RESULT 11

US-08-911-423-8
 ; Sequence 8, Application US/08911423
 ; Patent No. 611090
 ; GENERAL INFORMATION:
 ; APPLICANT: Gorman, Daniel M.
 ; APPLICANT: Randall, Troy D.
 ; APPLICANT: Zlotnik, Albert
 ; TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED

; TITLE OF INVENTION: REAGENTS
 ; NUMBER OF SEQUENCES: 8
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: DNAX Research Institute
 ; STREET: 901 California Avenue
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94304-1104
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/911.423
 ; FILING DATE: 14-AUG-1997
 ; CLASSIFICATION: 536
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/023,419
 ; FILING DATE: 16-AUG-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 60/027,901
 ; FILING DATE: 07-OCT-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Ching, Edwin P.
 ; REGISTRATION NUMBER: 34,090
 ; REFERENCE/DOCKET NUMBER: DX0612K
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 650-852-9196
 ; TELEFAX: 650-496-1200
 ; INFORMATION FOR SEQ ID NO: 8:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 311 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-911-423-8

Query Match 72.9%; Score 43; DB 4; Length 311;
 Best Local Similarity 70.0%; Pred. No. 16;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
 Db 85 HHPCPPGGV 94

RESULT 12

US-08-050-319B-39
 ; Sequence 39, Application US/08050319B
 ; Patent No. 5633145
 ; GENERAL INFORMATION:
 ; APPLICANT: M. Feldmann, P.W. Gray,
 ; APPLICANT: M.J.C. Turner, F.M. Brennan
 ; TITLE OF INVENTION: Modified human TNFalpha (Tumor
 ; TITLE OF INVENTION: Necrosis Factor alpha) Receptor
 ; NUMBER OF SEQUENCES: 57
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Reed & Robbins
 ; STREET: 635 Bryant Street
 ; CITY: Palo Alto
 ; STATE: California
 ; COUNTRY: USA
 ; ZIP: 94301
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: Patent in Release #1.0, version #1.25
 ; CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/050,319B
FILING DATE: 10-May-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Robbins, Roberta L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5150-0030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 617-8999
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-050-319B-39

Query Match 67.8%; Score 40; DB 1; Length 41;
Best Local Similarity 70.0%; Pred. No. 6.5;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 19 HRSCSPFGV 28

RESULT 13
US-08-465-982-39
Sequence 39, Application US/08465982
Patent No. 5863786
GENERAL INFORMATION:
APPLICANT: M. Feldmann, P.W. Gray,
APPLICANT: M.J.C. Turner, F.M. Brennan
TITLE OF INVENTION: Modified human TNFalpha (Tumor
TITLE OF INVENTION: Necrosis Factor alpha) Receptor
NUMBER OF SEQUENCES: 57
CORRESPONDENCE ADDRESS:
ADDRESSEE: Reed & Robbins
STREET: 635 Bryant Street
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94301
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,982
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/050,319
FILING DATE: 10-May-1993
ATTORNEY/AGENT INFORMATION:
NAME: Robbins, Roberta L.
REGISTRATION NUMBER: 33,208
REFERENCE/DOCKET NUMBER: 5150-0030
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 617-8999
TELEFAX: (415) 327-3231
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 41 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-465-982-39

Query Match 67.8%; Score 40; DB 2; Length 41;
Best Local Similarity 70.0%; Pred. No. 6.5;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 19 HRSCSPFGV 28

RESULT 14
US-08-219-237B-7
Sequence 7, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-7

Query Match 67.8%; Score 40; DB 2; Length 162;
Best Local Similarity 70.0%; Pred. No. 24;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

QY 1 HASCPPGAGV 10
| | | | |
DB 98 HRSCSPFGV 107

RESULT 15
US-09-042-785A-10
Sequence 10, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 277 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-09-042-785A-10

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Query Match      67.8%; Score 40; DB 4; Length 277;
Best Local Similarity 70.0%; Pred. No. 39;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 HASCPPGAGV 10
Db 122 HRSCSPGFCV 131

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Search completed: May 23, 2001, 15:56:41
Job time: 174 sec

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GenCore version 4.5
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OM nucleic - nucleic search, using sw model

Run on: May 23, 2001, 21:56:18 ; Search time 79.29 Seconds
(without alignments)
4855.580 Million cell updates/sec

Title: US-09-344-882-27

Perfect score: 2205

Sequence: 1 aaactccgcctcgtttgtt.....aaaaaaaaaaaaaaaaaaaaa 2205

Scoring table: OLIGO_NUC

Gapop 60.0 , Gapext 60.0

Searched: 302621 seqs, 87301344 residues

Word size : 0

Total number of hits satisfying chosen parameters: 605242

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Listing first 45 summaries

Database :

- Issued_Patents_NA.*
- 1: /cgn2_6/ptodata/1/1na/5A_COMB.seq.*
 - 2: /cgn2_6/ptodata/1/1na/5B_COMB.seq.*
 - 3: /cgn2_6/ptodata/1/1na/6A_COMB.seq.*
 - 4: /cgn2_6/ptodata/1/1na/6B_COMB.seq.*
 - 5: /cgn2_6/ptodata/1/1na/PCTUS_COMB.seq.*
 - 6: /cgn2_6/ptodata/1/1na/backfiles.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	1.2	1196	3	US-07-959-509-4
2	26	1.2	3952	2	US-08-381-691-16
3	24	1.1	469	1	US-08-468-347-23
4	24	1.1	469	1	US-08-228-284-25
5	24	1.1	469	1	US-08-467-389-23
6	24	1.1	469	2	US-08-779-379-23
7	24	1.1	469	2	US-08-469-219-23
8	24	1.1	469	4	US-09-228-152-23
9	24	1.1	729	1	US-08-447-010-1
10	24	1.1	868	3	US-08-889-502-20
11	24	1.1	1628	2	US-08-883-515-3
12	24	1.1	3848	4	US-09-112-096-28
13	24	1.1	5668	4	US-09-112-096-14
14	23	1.0	433	1	US-07-987-272A-13
15	23	1.0	567	1	US-08-661-168-6
16	23	1.0	989	2	US-08-874-460-1
17	23	1.0	1108	1	US-08-036-555B-135
18	23	1.0	1108	1	US-08-469-569-135
19	23	1.0	1108	1	US-08-249-322A-135
20	23	1.0	1108	1	US-08-469-526A-135
21	23	1.0	1108	2	US-08-734-591A-135
22	23	1.0	1108	2	US-08-469-660-135
23	23	1.0	1108	3	US-08-341-018-5
24	23	1.0	1108	4	US-08-470-335-135
25	23	1.0	1108	4	US-08-735-021-135
26	23	1.0	1108	4	US-08-734-664A-135
27	23	1.0	1108	5	PCT-US94-05083C-131

28	23	1.0	1108	5	PCT-US95-06846A-135	Sequence 135, App
29	23	1.0	1193	1	US-08-036-555B-134	Sequence 134, App
30	23	1.0	1193	1	US-08-469-569-134	Sequence 134, App
31	23	1.0	1193	1	US-08-249-322A-134	Sequence 134, App
32	23	1.0	1193	1	US-08-469-526A-134	Sequence 134, App
33	23	1.0	1193	2	US-08-734-591A-134	Sequence 134, App
34	23	1.0	1193	2	US-08-469-660-134	Sequence 134, App
35	23	1.0	1193	3	US-08-341-018-3	Sequence 3, Appl
36	23	1.0	1193	4	US-08-470-335-134	Sequence 134, App
37	23	1.0	1193	4	US-08-735-021-134	Sequence 134, App
38	23	1.0	1193	4	US-08-734-664A-134	Sequence 134, App
39	23	1.0	1193	5	PCT-US94-05083C-130	Sequence 130, App
40	23	1.0	1193	5	PCT-US95-06846A-134	Sequence 134, App
41	23	1.0	1228	3	US-08-826-246-9	Sequence 9, Appl
42	23	1.0	1228	3	US-08-944-495-9	Sequence 9, Appl
43	23	1.0	1228	3	US-09-126-640-5	Sequence 5, Appl
44	23	1.0	1364	2	US-08-815-718-1	Sequence 1, Appl
45	23	1.0	1741	1	US-08-565-655-5	Sequence 5, Appl

ALIGNMENTS

RESULT 1

US-07-959-509-4
Sequence 4, Application US/07959509
Patent No. 6001560

GENERAL INFORMATION:

APPLICANT: Lonlat, Herinder

APPLICANT: Narula, Satwant

APPLICANT: Zavodny, Paul

TITLE OF INVENTION: Human Gamma Interferon Antagonist/Agonist Screen

NUMBER OF SEQUENCES: 4

CORRESPONDENCE ADDRESS:

ADDRESSEE: Schering-Plough Corporation

STREET: One Giralda Farms

CITY: Madison

STATE: New Jersey

COUNTRY: USA

ZIP: 07940

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: Apple Macintosh

OPERATING SYSTEM: Macintosh 6.0.5

SOFTWARE: Microsoft Word 4.00B

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07959,509

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/07/616,621

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Dulak, No. 6001560man C.

REGISTRATION NUMBER: 31,608

REFERENCE/DOCKET NUMBER: J00166

TELECOMMUNICATION INFORMATION:

TELEPHONE: 201 822 7375

TELEFAX: 201 822 7039

TELEX: 219165

INFORMATION FOR SEQ ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 1196 base pairs

TYPE: nucleic acid

STRANDEDNESS: double

TOPOLOGY: linear

US-07-959-509-4

Query Match

Best Local Similarity 100.0%; Pred. No. 0.035;

Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

1.2%; Score 26; DB 3; Length 1196;

QY 2180 tctgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 325 TCTGTCAAAAAAAAAAAAAAAAAA 350

RESULT 2

US-08-381-691-16/c
; Sequence 16, Application US/08381691
; Patent No. 5852224
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Alpha-lac Albumin Gene Constructs
; NUMBER OF SEQUENCES: 17
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/381,691
; INFORMATION FOR SEQ ID NO: 16:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3952 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: cdna
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
US-08-381-691-16

Query Match 1.2%; Score 26; DB 2; Length 3952;
Best Local Similarity 100.0%; Pred. No. 0.032;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2180 tctgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 3858 TCTGTCAAAAAAAAAAAAAAAAAA 3833

RESULT 3

US-08-468-347-23
; Sequence 23, Application US/08468347
; Patent No. 5783421
; GENERAL INFORMATION:
; APPLICANT: Zeelon, Elisha P.
; APPLICANT: Werber, Moshe M.
; APPLICANT: Levanon, Avigdor
; TITLE OF INVENTION: NOVEL POLYPEPTIDE HAVING FACTOR Xa
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham
; STREET: 30 Rockefeller Plaza
; CITY: New York
; STATE: New York
; ZIP: 10112
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,347
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/225,442
; FILING DATE: 08-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678

; REFERENCE/DOCKET NUMBER: 0317/43020-A/JPW/EAB
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-977-9550
; TELEFAX: 212-664-0525
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
US-08-468-347-23

Query Match 1.1%; Score 24; DB 1; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 446 TGTCAAAAAAAAAAAAAAAAAA 469

RESULT 4

US-08-226-264-25
; Sequence 25, Application US/08226264
; Patent No. 5801017
; GENERAL INFORMATION:
; APPLICANT: Werber, Moshe M.
; APPLICANT: Zeelon, Elisha P.
; APPLICANT: Levanon, Avigdor
; APPLICANT: Guy, Rachel
; APPLICANT: Goldlust, Arie
; APPLICANT: Rigbi, Meir
; APPLICANT: Panet, Amos
; APPLICANT: Fischer, Meir
; TITLE OF INVENTION: PRODUCTION OF RECOMBINANT FACTOR Xa
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
; STREET: 1185 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/226,264
; FILING DATE: 08-APR-94
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: White, John P.
; REGISTRATION NUMBER: 28,678
; REFERENCE/DOCKET NUMBER: 40017-A/JPW/GJG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-278-0400
; TELEFAX: 212-391-0525
; TELEX:
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 469 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: unknown
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)

PROCESSES

Matches 24; Conservativ

; CITY: New York

STATE: New York
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,219
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/225,442
FILING DATE: 08-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 03117/43020-A/JPW/EAB
TELEPHONE: 212-977-9550
TELEFAX: 212-664-0525
INFORMATION FOR SEQ ID NO: 23:
SEQUENCE CHARACTERISTICS:
LENGTH: 469 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
US-08-469-219-23

Query Match 1.1%; Score 24; DB 2; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 446 TGTCAAAAAAAAAAAAAAAAAA 469

RESULT 8
US-09-228-152-23
; Sequence 23, Application US/09228152
; Patent No. 6211341
; GENERAL INFORMATION:
; APPLICANT: Zeelon, Elisha P.
; APPLICANT: Werber, Moshe M.
; APPLICANT: Levanon, Avigdor
; TITLE OF INVENTION: NOVEL POLYPEPTIDE HAVING FACTOR Xa INHIBITORY ACTIVITY
; FILE REFERENCE: 43020aya
; CURRENT APPLICATION NUMBER: US/09/228,152
; CURRENT FILING DATE: 1999-01-11
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 23
; LENGTH: 469
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: DNA sequence
; OTHER INFORMATION: of clone pSP65-xai-4.
US-09-228-152-23

Query Match 1.1%; Score 24; DB 4; Length 469;
Best Local Similarity 100.0%; Pred. No. 0.26;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 446 tgtcaaaaaaaaaaaaaaaaaa 469
RESULT 9
US-08-447-010-1
; Sequence 1, Application US/08447010
; Patent No. 5770718
; GENERAL INFORMATION:
; APPLICANT: MOFFATT, BARBARA
; TITLE OF INVENTION: GENE FOR APRT FROM PLANT TISSUE
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 330 University Avenue, Suite 701
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/447,010
; FILING DATE: 22-MAY-1995
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/888,132
; FILING DATE: 26-MAY-1992
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, MICHAEL I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1811-183 MIS:vg
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; TELEX: 065-24567 SIMBAS
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 729 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: both
; MOLECULE TYPE: DNA (genomic)
; FEATURE:
; NAME/KEY: CDS
; LOCATION: join(18..569)
US-08-447-010-1

Query Match 1.1%; Score 24; DB 1; Length 729;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||

DB 706 TGTCAAAAAAAAAAAAAAAAAA 729

RESULT 10
US-08-889-502-20
; Sequence 20, Application US/08889502
; Patent No. 6066726
; GENERAL INFORMATION:
; APPLICANT: Farb, David H
; APPLICANT: Russek, Shelley J
; TITLE OF INVENTION: GENE THERAPY VECTOR WITH TISSUE

;; TITLE OF INVENTION: SPECIFICITY
;; NUMBER OF SEQUENCES: 37
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Kevin M. Farrell
;; STREET: P.O. Box 999
;; CITY: York Harbor
;; STATE: ME
;; COUNTRY: USA
;; ZIP: 03911
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/889,502
;; FILING DATE: 08-JUL-1997
;; CLASSIFICATION: 514
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Farrell, Kevin M
;; REGISTRATION NUMBER: 35,505
;; REFERENCE/DOCKET NUMBER: 0146-2008
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (207) 363-0558
;; TELEFAX: (207) 363-0528
;; INFORMATION FOR SEQ ID NO: 20:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 868 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: DNA (genomic)
US-08-889-502-20

Query Match 1.1%; Score 24; DB 3; Length 868;
Best Local Similarity 100.0%; Pred. No. 0.25;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 441 TGTCAAAAAAAAAAAAAAAAAA 464

RESULT 11
US-08-883-515-3
;; Sequence 3, Application US/08883515
;; Patent No. 5981836
;; GENERAL INFORMATION:
;; APPLICANT: Osteryoung, Katherine W
;; TITLE OF INVENTION: PLANT CHLOROPLAST DIVISION GENES
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Quarles & Brady
;; STREET: 1 South Pinckney Street
;; CITY: Madison
;; STATE: WI
;; COUNTRY: US
;; ZIP: 53701-2113
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.30
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/883,515
;; FILING DATE:
;; CLASSIFICATION: 800
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seay, Nicholas J.
;; REGISTRATION NUMBER: 27,386
;; REFERENCE/DOCKET NUMBER: 920905.90016
;; TELECOMMUNICATION INFORMATION:

;; TELEPHONE: 608-251-5000
;; TELEFAX: 608-251-9166
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1628 base pairs
;; TYPE: nucleic acid
;; STRANDEDNESS: double
;; TOPOLOGY: linear
;; MOLECULE TYPE: cDNA
;; FEATURE:
;; NAME/KEY: CDS
;; LOCATION: 3..1316
US-08-883-515-3

Query Match 1.1%; Score 24; DB 2; Length 1628;
Best Local Similarity 100.0%; Pred. No. 0.24;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 1604 TGTCAAAAAAAAAAAAAAAAAA 1627

RESULT 12
US-09-112-096-28
;; Sequence 28, Application US/09112096
;; Patent No. 6194152
;; GENERAL INFORMATION:
;; APPLICANT: Reiner Laus
;; APPLICANT: Michael H. Shapero
;; APPLICANT: Larisa Tsavaler
;; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
;; FILE REFERENCE: 7636-0015.30
;; CURRENT APPLICATION NUMBER: US/09/112,096
;; CURRENT FILING DATE: 1998-07-09
;; EARLIER APPLICATION NUMBER: 60/056,110
;; EARLIER FILING DATE: 1997-08-20
;; NUMBER OF SEQ ID NOS: 29
;; SOFTWARE: FastSeq for Windows Version 3.0
;; SEQ ID NO 28
;; LENGTH: 3848
;; TYPE: DNA
;; ORGANISM: Homo sapiens
US-09-112-096-28

Query Match 1.1%; Score 24; DB 4; Length 3848;
Best Local Similarity 100.0%; Pred. No. 0.22;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 2182 tgtcaaaaaaaaaaaaaaaaaa 2205
|||||
Db 3780 tgtcaaaaaaaaaaaaaaaaaa 3803

RESULT 13
US-09-112-096-14
;; Sequence 14, Application US/09112096
;; Patent No. 6194152
;; GENERAL INFORMATION:
;; APPLICANT: Reiner Laus
;; APPLICANT: Michael H. Shapero
;; APPLICANT: Larisa Tsavaler
;; TITLE OF INVENTION: Prostate Tumor Polynucleotide and
;; FILE REFERENCE: 7636-0015.30
;; CURRENT APPLICATION NUMBER: US/09/112,096
;; CURRENT FILING DATE: 1998-07-09
;; EARLIER APPLICATION NUMBER: 60/056,110
;; EARLIER FILING DATE: 1997-08-20
;; NUMBER OF SEQ ID NOS: 29

SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 14
LENGTH: 5668
TYPE: DNA
ORGANISM: Homo sapiens
US-09-112-096-14

Query Match 1.1%; Score 24; DB 4; Length 5668;
Best Local Similarity 100.0%; Pred. No. 0.21;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2182 tgtcaaaaaaa 2205
|||||

Db 5600 tgcataaaaaaa 5623
|||||

RESULT 14

US-07-987-272A-13
Sequence 13, Application US/07987272A
Patent No. 5731166
GENERAL INFORMATION:
APPLICANT: Geczy, C., Simpson, R. J. and Lackmann, M
TITLE OF INVENTION: No. 5731166el Chemotactic Factor
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cushman Darby & Cushman
STREET: 1100 New York Avenue, N. W., Ninth Floor, East Tower
CITY: Washington
STATE: D. C.
COUNTRY: USA
ZIP: 20005-3918
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/987,272A
FILING DATE: 05-MAR-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PK 2127
FILING DATE: 05-FEB-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: AU PK 4463
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: Brinkman, David W
REGISTRATION NUMBER: 20,817
REFERENCE/DOCKET NUMBER: DWB/1925/200259
TELEPHONE: 202-861 3000
TELEFAX: 202-822 0944
TELEX: 6714627 CUSH
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 433 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: CDNA to mRNA
FEATURE:
NAME/KEY: CDS
LOCATION: 52..318
US-07-987-272A-13

Query Match 1.0%; Score 23; DB 1; Length 433;
Best Local Similarity 100.0%; Pred. No. 0.7;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2183 gtcaaaaaaa 2205

Db 386 GTCAAAAAAAAAAAAA 408
|||||

RESULT 15

US-08-661-168-6
Sequence 6, Application US/08661168
Patent No. 5773649
GENERAL INFORMATION:
APPLICANT: SINNETT, Daniel
APPLICANT: LABUDA, Damian
APPLICANT: KRAJINOVIC, Maja
APPLICANT: RICHER, Chantal
TITLE OF INVENTION: DNA MARKERS TO DETECT CANCER CELLS
TITLE OF INVENTION: EXPRESSING A MUTATOR PHENOTYPE AND METHOD OF DIAGNOSIS OF
TITLE OF INVENTION: CANCER CELLS
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: SWABEY OGILVY RENAULT
STREET: 1981 McGill College Avenue, Suite 1600
CITY: Montreal
STATE: Quebec
COUNTRY: Canada
ZIP: H3A 2Y3
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/661,168
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: COTE, France
REGISTRATION NUMBER: 37,037
REFERENCE/DOCKET NUMBER: 12667-7US FC/1d
TELEPHONE: (514) 845-7126
TELEFAX: (514) 288-8389
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 567 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-661-168-6

Query Match 1.0%; Score 23; DB 1; Length 567;
Best Local Similarity 100.0%; Pred. No. 0.68;
Matches 23; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2183 gtcaaaaaaa 2205
|||||

Db 12 GTCAAAAAAAAAAAAA 34

Search completed: May 23, 2001, 23:13:15
Job time: 4617 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:36 : Search time 109.73 Seconds
(without alignments)
3.677 Million cell updates/sec

Title: US-09-518-931-4_COPY_86_106
Perfect score: 124
Sequence: 1 ECRYCNVLCGEREERARACH 21

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA.*
1: /cgn2_6/ptodata/2/1aa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/1aa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/1aa/6A_COMB.pep.*
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5: /cgn2_6/ptodata/2/1aa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/1aa/backfiles.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	124	100.0	300	2	US-08-794-796-2
2	46.5	37.5	605	1	US-08-152-019A-26
3	46.5	37.5	605	3	US-08-482-677-4
4	46.5	37.5	605	3	US-08-650-599A-1
5	46.5	37.5	606	3	US-08-665-259-22
6	46.5	37.5	606	3	US-08-762-500-22
7	45	36.3	122	1	US-08-612-986-7
8	45	36.3	122	1	US-08-361-806A-7
9	45	36.3	122	5	PCT-US95-16806A-7
10	44	35.5	355	1	US-08-292-549-6
11	44	35.5	1781	2	US-08-477-451-11
12	44	35.5	3025	6	5233423-3
13	43.5	35.1	603	3	US-08-482-677-8
14	43	34.7	84	2	US-08-459-568-62
15	43	34.7	84	2	US-08-399-411-62
16	43	34.7	84	3	US-08-516-859A-62
17	43	34.7	401	3	US-08-974-022-4
18	43	34.7	401	4	US-09-042-785A-13
19	42.5	34.3	604	2	US-08-635-137-2
20	42	33.9	78	2	US-08-463-380-53
21	42	33.9	78	2	US-08-486-397-53
22	42	33.9	78	2	US-08-486-399-53
23	42	33.9	78	2	US-08-461-965-53
24	42	33.9	78	2	US-08-634-641-53
25	42	33.9	78	3	US-09-249-471-53
26	42	33.9	78	3	US-09-249-472-53
27	42	33.9	78	3	US-09-249-451-53

28	42	33.9	78	3	US-08-809-455-53	Sequence 53, Appl
29	42	33.9	78	3	US-09-249-461-53	Sequence 53, Appl
30	42	33.9	78	4	US-09-249-448-53	Sequence 53, Appl
31	42	33.9	162	2	US-08-463-380-63	Sequence 63, Appl
32	42	33.9	162	2	US-08-486-397-63	Sequence 63, Appl
33	42	33.9	162	2	US-08-486-399-63	Sequence 63, Appl
34	42	33.9	162	2	US-08-461-965-63	Sequence 63, Appl
35	42	33.9	162	2	US-08-634-641-63	Sequence 63, Appl
36	42	33.9	162	3	US-09-249-471-63	Sequence 63, Appl
37	42	33.9	162	3	US-09-249-472-63	Sequence 63, Appl
38	42	33.9	162	3	US-09-249-451-63	Sequence 63, Appl
39	42	33.9	162	3	US-08-809-455-63	Sequence 63, Appl
40	42	33.9	162	3	US-09-249-461-63	Sequence 63, Appl
41	42	33.9	162	4	US-09-249-448-63	Sequence 63, Appl
42	42	33.9	339	1	US-08-153-848-44	Sequence 44, Appl
43	42	33.9	339	2	US-08-812-871-3	Sequence 3, Appl
44	42	33.9	339	3	US-09-299-843A-44	Sequence 44, Appl
45	42	33.9	339	5	PCT-US93-11153-44	Sequence 44, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
: Sequence 2, Application US/08794796
: Patent No. 5885800
: GENERAL INFORMATION:
: APPLICANT: Emery, John
: APPLICANT: Tan, KB
: APPLICANT: Truneh, Alem
: APPLICANT: Young, Peter
: TITLE OF INVENTION: Tumor Necrosis Related Receptor,
: TITLE OF INVENTION: TR4
: NUMBER OF SEQUENCES: 2
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: SmithKline Beecham Corporation
: STREET: 709 Swedeland Road
: CITY: King of Prussia
: STATE: PA
: COUNTRY: USA
: ZIP: 19406

: COMPUTER READABLE FORM:
: MEDIUM TYPE: Diskette
: COMPUTER: IBM Compatible
: OPERATING SYSTEM: DOS
: SOFTWARE: FASTSEQ for Windows Version 2.0
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/794,796
: FILING DATE: 04-FEB-1997
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER:
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Han, William T
: REGISTRATION NUMBER: 34,344
: REFERENCE/DOCKET NUMBER: GH50000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 610-270-5219
: TELEFAX: 610-270-4026
: TELEX:
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 300 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-794-796-2

Query Match 100.0% Score 124; DB 2; Length 300;

RESULT 3
US-08-482-677-4
: Sequence 4, Application US/08482677
: Patent No. 601714
: GENERAL INFORMATION:
: APPLICANT: Tessier-Lavigne, Marc
: APPLICANT: Serafini, Tito
: APPLICANT: Kennedy, Timothy
: APPLICANT: Plazcek, Marvyn

```

;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: IIS/08/650.5
;

```

; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: OSMAN, RICHARD A.
 ; REGISTRATION NUMBER: 36,627
 ; REFERENCE/DOCKET NUMBER: UC93-300-2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (415) 343-4341
 ; TELEFAX: (415) 343-4342
 ; INFORMATION FOR SEQ ID NO: 1:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 605 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: peptide
 ; US-08-650-599A-1

Query Match 37.5%; Score 46.5; DB 3; Length 605;
 Best Local Similarity 50.0%; Pred. NO. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;

QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : ||
 DB 77 RYC-VVTEKGEEQVRSCH 93

RESULT 5
 US-08-665-259-22
 ; Sequence 22, Application US/08665259
 ; Patent No. 6028173
 ; GENERAL INFORMATION:
 ; APPLICANT: Landes, Gregory M.
 ; APPLICANT: Burn, Timothy C.
 ; APPLICANT: Connors, Timothy D.
 ; APPLICANT: Dackowski, William R.
 ; APPLICANT: Van Raay, Terence J.
 ; APPLICANT: Klinger, Katherine W.
 ; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
 ; COMPOSITIONS, METHODS OF MAKING AND USING SAME
 ; NUMBER OF SEQUENCES: 73
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: One Mountain Road
 ; CITY: Framingham
 ; STATE: Massachusetts
 ; COUNTRY: United States of America
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/665,259
 ; FILING DATE: 17-JUN-1996
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dugan, Deborah A.
 ; REGISTRATION NUMBER: 37,315
 ; REFERENCE/DOCKET NUMBER: IGS-9.1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (508) 872-8400
 ; TELEFAX: (508) 872-5415
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 606 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-665-259-22

Query Match 37.5%; Score 46.5; DB 3; Length 606;
 Best Local Similarity 50.0%; Pred. NO. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;

QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : ||
 DB 78 RYC-VVTEKGEEQVRSCH 94

RESULT 6
 US-08-762-500-22
 ; Sequence 22, Application US/08762500
 ; Patent No. 6030806
 ; GENERAL INFORMATION:
 ; APPLICANT: Landes, Gregory M.
 ; APPLICANT: Burn, Timothy C.
 ; APPLICANT: Connors, Timothy D.
 ; APPLICANT: Dackowski, William R.
 ; APPLICANT: Van Raay, Terence J.
 ; APPLICANT: Klinger, Katherine W.
 ; TITLE OF INVENTION: NOVEL HUMAN CHROMOSOME 16 GENES,
 ; COMPOSITIONS, METHODS OF MAKING AND USING SAME
 ; NUMBER OF SEQUENCES: 83
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: GENZYME CORPORATION
 ; STREET: One Mountain Road
 ; CITY: Framingham
 ; STATE: Massachusetts
 ; COUNTRY: United States of America
 ; ZIP: 01701
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/762,500
 ; FILING DATE: 09-DEC-1996
 ; CLASSIFICATION: 435
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/665,259
 ; FILING DATE: 17-JUN-1996
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US96/10469
 ; FILING DATE: 17-JUN-1996
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Dugan, Deborah A.
 ; REGISTRATION NUMBER: 37,315
 ; REFERENCE/DOCKET NUMBER: IGS-9.3
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (508) 872-8400
 ; TELEFAX: (508) 872-5415
 ; INFORMATION FOR SEQ ID NO: 22:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 606 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: not relevant
 ; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 ; US-08-762-500-22

Query Match 37.5%; Score 46.5; DB 3; Length 606;
 Best Local Similarity 50.0%; Pred. NO. 48;
 Matches 9; Conservative 4; Mismatches 4; Indels 1; Gaps 1;

QY 4 RYCNVLCGEREEARACH 21
 ||| | : || : ||
 DB 78 RYC-VVTEKGEEQVRSCH 94

RESULT 7
US-08-612-986-7
; Sequence 7, Application US/08612986
; Patent No. 5770384
; GENERAL INFORMATION:
; APPLICANT: Eliot J. Androphy
; APPLICANT: Dave E. Breiding
; TITLE OF INVENTION: E2 BINDING PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/612,986
; FILING DATE:
; CLASSIFICATION: 800
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/361,806
; FILING DATE: 22 DEC 1994
; CLASSIFICATION: 800
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: NEP-004DV
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-612-986-7

Query Match 36.3%; Score 45; DB 1; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREERARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 8
US-08-361-806A-7
; Sequence 7, Application US/08361806A
; Patent No. 5792833
; GENERAL INFORMATION:
; APPLICANT: Eliot J. Androphy
; APPLICANT: Dave E. Breiding
; TITLE OF INVENTION: E2 BINDING PROTEINS
; NUMBER OF SEQUENCES: 19
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lahive & Cockfield
; STREET: 60 State Street, suite 510
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109-1875
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII text
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/361,806A
; FILING DATE: 22 DEC 1994
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Myers, Paul L.
; REGISTRATION NUMBER: 35,965
; REFERENCE/DOCKET NUMBER: NEP-004
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 227-7400
; TELEFAX: (617) 227-5941
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-361-806A-7

Query Match 36.3%; Score 45; DB 1; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREERARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 9
PCT-US95-16806A-7
; Sequence 7, Application PC/TUS9516806A
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: E2 Binding Proteins
; NUMBER OF SEQUENCES: 21
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: ASCII (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/16806A
; FILING DATE: December 22, 1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/361,806
; FILING DATE: 22-DEC-1994
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-16806A-7

Query Match 36.3%; Score 45; DB 5; Length 122;
Best Local Similarity 63.6%; Pred. No. 17;
Matches 7; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 11 GEREERARACH 21
|||||: ||
Db 81 GEREKEKVVCH 91

RESULT 10
US-08-292-549-6
; Sequence 6, Application US/08292549
; Patent No. 5464938
; GENERAL INFORMATION:

APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
TITLE OF INVENTION: Isolated Viral Protein TNF Antagonists
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA: US/08/292,549
FILING DATE:
CLASSIFICATION: 530
PRIOR APPLICATION NUMBER: 07/963,330
FILING DATE: 10/19/92
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34,693
REFERENCE/DOCKET NUMBER: 2602-A
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 355 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-292-549-6

Query Match 35.5%; Score 44; DB 1; Length 355;
Best Local Similarity 36.8%; Pred. No. 63;
Matches 7; Conservative 3; Mismatches 9; Indels 0; Gaps 0;

Qy 3 CRYCNVLCGEREEARACH 21
| | | | | : | | | |
Db 83 CLSCNGRCDSNQVETRSCN 101

RESULT 11
US-08-477-451-11
; Sequence 11, Application US/08477451
; Patent No. 5928865
; GENERAL INFORMATION:
; APPLICANT: Covacci, Antonello
; TITLE OF INVENTION: Helicobacter Pylori CagI Region
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Chiron Corporation
; STREET: 4560 Horton Street
; CITY: Emeryville
; STATE: CA
; COUNTRY: USA
; ZIP: 94608-2916
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/477,451
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:

NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0335-002
TELECOMMUNICATION INFORMATION:
TELEPHONE: 510-601-2708
TELEFAX: 510-655-3542
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 1781 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-477-451-11

Query Match 35.5%; Score 44; DB 2; Length 1781;
Best Local Similarity 75.0%; Pred. No. 2.9e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 3 CRYCNVLC 10
| | | | | : | | | |
Db 641 CRYCRLLC 648

RESULT 12
5223423-3
; Patent No. 5223423
; APPLICANT: FRANCHINI, GENOVEFFA; WONG-STAAAL, FLOSSIE;
; GALLO, ROBERT
; TITLE OF INVENTION: CHARACTERIZATION OF REPLICATION COMPETENT
; HUMAN IMMUNODEFICIENCY TYPE 2 PROVIRAL CLONE HIV-2 SBL/ISY
; NUMBER OF SEQUENCES: 4
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/331,212
; FILING DATE: 03-31-1989
; SEQ ID NO: 3
; LENGTH: 3025
5223423-3

Query Match 35.5%; Score 44; DB 6; Length 3025;
Best Local Similarity 44.4%; Pred. No. 4.8e+02;
Matches 8; Conservative 4; Mismatches 2; Indels 4; Gaps 1;

Qy 7 NVLCGER----EEEARAC 20
| : | | | : | | : : | | |
Db 205 NILCGQRMNWTDSQORAC 222

RESULT 13
US-08-482-677-8
; Sequence 8, Application US/08482677
; Patent No. 6017714
; GENERAL INFORMATION:
; APPLICANT: Tessier-Lavigne, Marc
; APPLICANT: Serafini, Tito
; APPLICANT: Kennedy, Timothy
; APPLICANT: Placzek, Marysia
; APPLICANT: Jessel, Thomas
; APPLICANT: Dodd, Jane
; TITLE OF INVENTION: Netrins
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,677
FILING DATE: 07-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: OSMAN, RICHARD A
REGISTRATION NUMBER: 36,627
REFERENCE/DOCKET NUMBER: UC93-300-4
TELEPHONE: (415) 343-4341
TELEFAX: (415) 343-4342
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 603 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-482-677-8

Query Match 35.1%; Score 43.5; DB 3; Length 603;
Best Local Similarity 50.0%; Pred. No. 1.2e+02;
Matches 9; Conservative 2; Mismatches 6; Indels 1; Gaps 1;

QY 4 RYCNVLGGEREEARACH 21
||| ||: ||: ||: ||: ||
Db 75 RYC-VVSEGEREVRSCH 91

RESULT 14
US-08-459-568-62
Sequence 62, Application US/08459568
Patent No. 5811304
GENERAL INFORMATION:
APPLICANT: Huang, Shi
TITLE OF INVENTION: Retinoblastoma Protein - Interacting
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/459,568
FILING DATE: 02-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/399,411
FILING DATE: 06-MAR-1995
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1264
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-459-568-62

Query Match 34.7%; Score 43; DB 2; Length 84;
Best Local Similarity 26.5%; Pred. No. 22;
Matches 9; Conservative 4; Mismatches 7; Indels 14; Gaps 1;
QY 2 RCRCYN-----VLCGEREEARACH 21
||: ||: ||: ||: ||: ||: ||: ||: ||: ||
Db 28 KCOTCNKGFTQLAHLOKHLYLVHTGERPHECQVCH 61

RESULT 15
US-08-399-411-62
Sequence 62, Application US/08399411
Patent No. 5831008
GENERAL INFORMATION:
APPLICANT: Huang, Shi
TITLE OF INVENTION: Retinoblastoma Protein - Interacting
NUMBER OF SEQUENCES: 93
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell and Flores
CITY: San Diego
STATE: California
COUNTRY: USA
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/399,411
FILING DATE: 06-MAR-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 1264
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 62:
SEQUENCE CHARACTERISTICS:
LENGTH: 84 amino acids
TYPE: amino acid
TOPOLOGY: linear
US-08-399-411-62

Query Match 34.7%; Score 43; DB 2; Length 84;
Best Local Similarity 26.5%; Pred. No. 22;
Matches 9; Conservative 4; Mismatches 7; Indels 14; Gaps 1;
QY 2 RCRCYN-----VLCGEREEARACH 21
||: ||: ||: ||: ||: ||: ||: ||: ||: ||
Db 28 KCOTCNKGFTQLAHLOKHLYLVHTGERPHECQVCH 61

Search completed: May 23, 2001, 15:56:37
Job time: 170 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:35 ; Search time 109.73 Seconds
(without alignments)
4.202 Million cell updates/sec

Title: US-09-518-931-4_COPY_57_80
Perfect score: 148
Sequence: 1 FVGRPCRDRSPITCGPCPRHRYQ 24

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA: *
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/ptodata/2/1aa/PCYUS.COMB.pep: *
6: /cgn2_6/ptodata/2/1aa/backfilest.pep: *

Pred. NO. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	148	100.0	300	2	US-08-794-796-2
2	56	37.8	401	3	US-08-974-022-6
3	56	37.8	401	4	US-09-042-785A-12
4	53	35.8	38	1	US-08-239-256-16
5	51	34.5	283	5	PCT-US96-12374-2
6	51	34.5	474	2	US-08-650-000-4
7	51	34.5	474	4	US-09-042-785A-8
8	51	34.5	474	6	5395760-4
9	50	33.8	416	1	US-08-117-083-62
10	50	33.8	967	2	US-08-449-645A-30
11	50	33.8	967	2	US-08-702-367A-30
12	50	33.8	991	2	US-08-449-645A-13
13	50	33.8	991	2	US-08-702-367A-13
14	50	33.8	991	5	PCT-US95-04681-13
15	50	33.8	1833	3	US-08-479-722B-2
16	50	33.8	1833	5	PCT-US95-02251-18
17	49	33.1	277	2	US-08-147-784-2
18	49	33.1	755	3	US-09-071-101-2
19	49	33.1	755	3	US-09-369-618-2
20	49	33.1	755	4	US-09-369-617-2
21	48.5	32.8	627	2	US-08-466-589-6
22	48.5	32.8	627	2	US-08-700-636-6
23	48.5	32.8	627	3	US-08-467-574-6
24	48.5	32.8	1829	4	US-09-157-420-1
25	48	32.4	45	1	US-08-117-083-19
26	48	32.4	139	2	US-08-219-237B-8
27	48	32.4	186	1	US-08-089-458B-6

28	48	32.4	205	3	US-08-974-022-51	Sequence 51, Appl
29	48	32.4	401	3	US-08-974-022-4	Sequence 4, Appl
30	48	32.4	401	4	US-09-042-785A-13	Sequence 13, Appl
31	48	32.4	928	1	US-08-442-248-2	Sequence 2, Appl
32	48	32.4	928	1	US-08-440-815-2	Sequence 103, App
33	48	32.4	1005	2	US-08-469-537A-103	Sequence 7, Appl
34	47	31.8	206	1	US-08-097-827-7	Sequence 11, Appl
35	47	31.8	206	1	US-08-494-574-7	Sequence 11, Appl
36	47	31.8	438	1	US-08-097-827-11	Sequence 4, Appl
37	47	31.8	438	1	US-08-494-574-11	Sequence 4, Appl
38	46.5	31.4	396	1	US-07-649-591B-4	Sequence 5, Appl
39	46.5	31.4	396	1	US-08-277-540-4	Sequence 3, Appl
40	46.5	31.4	396	1	US-08-430-787A-4	Sequence 3, Appl
41	46.5	31.4	1104	2	US-08-327-832-5	Sequence 5, Appl
42	46.5	31.4	1104	2	US-08-828-584-5	Sequence 5, Appl
43	46.5	31.4	1251	5	PCT-US95-02251-3	Sequence 3, Appl
44	46.5	31.4	1252	1	US-08-199-780-3	Sequence 3, Appl
45	46.5	31.4	1252	2	US-08-316-650-3	Sequence 3, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5883800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 148; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 6.2e-10;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPGPPRHNT 24
|||||
Db 57 FVORPCRDSPPTGCPGPPRHNT 80

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTROPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 37.8%; Score 56; DB 3; Length 401;
Best Local Similarity 34.8%; Pred. No. 16;
Matches 8; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPGPPRHNT 23
:::| | | | |
Db 49 YLKQCTAKKTYCACPDPHYT 71

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts

COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids
TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide
FRAGMENT TYPE: internal

US-09-042-785A-12

Query Match 37.8%; Score 56; DB 4; Length 401;
Best Local Similarity 34.8%; Pred. No. 16;
Matches 8; Conservative 5; Mismatches 10; Indels 0; Gaps 0;

OY 1 FVORPCRDSPPTGCPGPPRHNT 23
:::| | | | |
Db 49 YLKQCTAKKTYCACPDPHYT 71

RESULT 4

US-08-239-256-16
Sequence 16, Application US/08239256
Patent No. 5585345
GENERAL INFORMATION:
APPLICANT: BOIME, IRVING
APPLICANT: MATZUK, MARTIN M.
APPLICANT: KEENE, JEFFREY L.
TITLE OF INVENTION: CTP EXTENDED FORM OF LH
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 2000 Pennsylvania Ave. N.W.
CITY: Washington, D.C.
COUNTRY: USA
ZIP: 20006-1812
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/239,256
FILING DATE: 06-MAY-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MURASHIGE, KATE H.
REGISTRATION NUMBER: 29,959
REFERENCE/DOCKET NUMBER: 29500-20030.12
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 887-1500
TELEFAX: (202) 887-0763
TELEX: 904030
INFORMATION FOR SEQ ID NO: 16:

SEQUENCE CHARACTERISTICS:
LENGTH: 38 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-239-256-16

Query Match 35.8%; Score 53; DB 1; Length 38;
Best Local Similarity 52.9%; Pred. No. 4.4;
Matches 9; Conservative 0; Mismatches 8; Indels 0; Gaps 0;

QY 5 PCRPSPTTCGCPGPPRH 21
DB 14 PCTCPCRCGCPSCCH 30

RESULT 5
PCT-US96-12374-2
SEQUENCE 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Milmanow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 34.5%; Score 51; DB 5; Length 283;
Best Local Similarity 42.9%; Pred. No. 4.4;
Matches 9; Conservative 2; Mismatches 10; Indels 0; Gaps 0;

QY 2 VORPCRDSPPTGCPGPPRH 22
DB 63 VKACGELGTVCPCPGR 83

RESULT 6
US-08-650-000-4
SEQUENCE 4, Application US/08650000
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
ADDRESSEE: Goodwin, Raymond G.

APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wright, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2501-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-650-000-4

Query Match 34.5%; Score 51; DB 2; Length 474;
Best Local Similarity 37.5%; Pred. No. 6.9;
Matches 9; Conservative 3; Mismatches 12; Indels 0; Gaps 0;

QY 1 FVORPCRDSPPTGCPGPPRH 24
DB 63 YVHFCNKRTSDTVACDCASMTQ 86

RESULT 7
US-09-042-785A-8
SEQUENCE 8, Application US/09042785A
PATENT NO. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston


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ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/449,645A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-287
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 967 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-449-645A-30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 967;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 257 CRPGFFKASPHIQSGCKCPHSYT 280

RESULT 11
US-08-702-367A-30
Sequence 30, Application US/08702367A
Patent No. 5981246
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,367A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-287
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 967 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-702-367A-30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 967;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;
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OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 257 CRPGFFKASPHIQSGCKCPHSYT 280

RESULT 12
US-08-449-645A-13
Sequence 13, Application US/08449645A
Patent No. 5981245
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30

Query Match
Best Local Similarity 33.8%; Score 50; DB 2; Length 991;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

OY 6 CR---RDSP--TTGCPGPPRRHYT 23
Db 281 CRPGFFKASPHIQSGCKCPHSYT 304

RESULT 13
US-08-702-367A-13
Sequence 13, Application US/08702367A
Patent No. 5981246
GENERAL INFORMATION:
APPLICANT: Fox, Gary M.
TITLE OF INVENTION: EPH-like Receptor Protein Tyrosine
NUMBER OF SEQUENCES: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Patent Operations/RBM
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
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; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/702,367A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 991 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-702-367A-13

Query Match          33.8%; Score 50; DB 2; Length 991;
Best Local Similarity 45.8%; Pred. No. 1.7e+02;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

QY 6 CR----RDSP--TTGCPCCPPRHYT 23
   || : || : || || || ||
Db 281 CRGFFKASPHIQSCGKCPPHSYT 304

RESULT 14
PCT-US95-04681-13
; Sequence 13, Application PC/TUS9504681
; GENERAL INFORMATION:
; APPLICANT: Fox, Gary M.
; TITLE OF INVENTION: Eph-Like Receptor Protein Tyrosine
; NUMBER OF SEQUENCES: 28
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Patent Operations/RBM
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/04681
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-287
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 991 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; PCT-US95-04681-13

Query Match          33.8%; Score 50; DB 5; Length 991;
Best Local Similarity 45.8%; Pred. No. 1.7e+02;
Matches 11; Conservative 2; Mismatches 5; Indels 6; Gaps 2;

QY 6 CR----RDSP--TTGCPCCPPRHYT 23
   || : || : || || || ||
Db 281 CRGFFKASPHIQSCGKCPPHSYT 304

RESULT 15
US-08-479-722B-2
; Sequence 2, Application US/08479722B
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; Patent No. 6074840
; GENERAL INFORMATION:
; APPLICANT: Bonadio, Jeffrey
; APPLICANT: Vin, Mushan
; TITLE OF INVENTION: LATENT TGF BINDING PROTEIN (LTBP)
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Williams, Morgan & Amerson
; STREET: 7676 Hillmont, Suite 250
; CITY: Houston
; STATE: Texas
; COUNTRY: USA
; ZIP: 77040
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/479,722B
; FILING DATE: 07-JUN-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US PCT/US95/02251
; FILING DATE: 21-FEB-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/316,650
; FILING DATE: 30-SEP-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/199,780
; FILING DATE: 18-FEB-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fussey, Shelley P.M.
; REGISTRATION NUMBER: 39,458
; REFERENCE/DOCKET NUMBER: 4100.000500/RUS
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (713) 934-7000
; TELEFAX: (713) 934-7011
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1833 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-479-722B-2

Query Match          33.8%; Score 50; DB 3; Length 1833;
Best Local Similarity 77.8%; Pred. No. 3e+02;
Matches 7; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 12 TTGCPCCPPR 20
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Db 591 TSCAPCCPPR 599
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Search completed: May 23, 2001, 15:56:36
Job time: 169 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:35 ; Search time 109.73 Seconds

(without alignments)

23.110 Million cell updates/sec

Title: US-09-518-931-4_COPY_1_132

Perfect score: 759
Sequence: 1 MRLSGPGLSLCLVLAIPA.....CGRGTFPAHAGFLEHASC 132Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database :

Issued_Patents_AA:*
1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCTUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	759	100.0	300	2	US-08-794-796-2
2	260.5	34.3	401	3	US-08-974-022-6
3	260.5	34.3	401	4	US-09-042-785A-12
4	246	32.4	401	3	US-08-974-022-4
5	246	32.4	401	4	US-09-042-785A-13
6	243	32.0	401	3	US-08-974-022-2
7	186	24.5	474	2	US-08-650-000-4
8	186	24.5	474	4	US-09-042-785A-8
9	186	23.8	474	6	5395760-4
10	181	23.5	355	1	US-08-292-549-6
11	176	23.2	197	2	US-08-505-606-1
12	176	23.2	227	3	US-08-974-022-48
13	176	23.2	461	1	US-08-385-229-2
14	176	23.2	461	2	US-08-650-000-2
15	176	23.2	461	4	US-09-042-785A-7
16	176	23.2	461	6	5395760-2
17	176	23.2	486	1	US-08-243-010-1
18	176	23.2	518	1	US-08-385-229-4
19	168	22.1	120	3	US-08-974-022-42
20	168	22.1	253	4	US-09-042-785A-4
21	168	22.1	605	4	US-09-042-785A-23
22	168	22.1	655	3	US-08-959-382-2
23	165	21.7	163	2	US-08-219-237B-5
24	163	21.5	164	2	US-08-232-087A-9
25	152	20.0	326	5	US-08-292-549-4
26	152	20.0	326	5	PCT-US91-02207-4
27	151.5	20.0	207	3	US-08-974-022-47

28	151.5	20.0	325	1	US-08-292-549-2	Sequence 2, Appl
29	151.5	20.0	325	4	US-09-042-785A-9	Sequence 9, Appl
30	151.5	20.0	325	5	PCT-US91-02207-2	Sequence 2, Appl
31	141.5	18.6	277	2	US-08-147-784-2	Sequence 2, Appl
32	140	18.4	186	1	US-08-089-458B-6	Sequence 6, Appl
33	133.5	17.6	283	5	PCT-US96-12374-2	Sequence 5, Appl
34	124	16.3	125	3	US-08-959-382-4	Sequence 4, Appl
35	124	16.3	327	4	US-09-280-640-66	Sequence 66, Appl
36	123	16.2	70	3	US-08-974-022-41	Sequence 41, Appl
37	123	16.2	169	3	US-08-630-172-11	Sequence 11, Appl
38	121.5	16.0	205	3	US-08-974-022-51	Sequence 51, Appl
39	120.5	15.9	625	3	US-08-996-139-15	Sequence 15, Appl
40	119.5	15.7	139	2	US-08-219-237B-8	Sequence 8, Appl
41	118	15.5	119	2	US-08-219-237B-3	Sequence 3, Appl
42	118	15.5	206	1	US-08-057-827-7	Sequence 7, Appl
43	118	15.5	206	1	US-08-494-574-7	Sequence 7, Appl
44	118	15.5	219	3	US-08-974-022-45	Sequence 45, Appl
45	118	15.5	314	1	US-08-444-231-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF INVENTION: 7R4
TITLE OF INVENTION: 7R4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 759; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 1.2e-64;
Matches 132; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVIALPVPVARGVAET-PTYPMRDAETGERLVCAQCPGTFVOR 60
1 MRALEGGSLILCLVIALPVPVARGVAETPTYPMRDAETGERLVCAQCPGTFVOR 60
Db 1 MRALEGGSLILCLVIALPVPVARGVAETPTYPMRDAETGERLVCAQCPGTFVOR 60
QY 61 PCRDSPTTCGCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 120
61 PCRDSPTTCGCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 120
Db 61 PCRDSPTTCGCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 120
QY 121 AHAGFCLHASC 132
121 AHAGFCLHASC 132
Db 121 AHAGFCLHASC 132

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 34.3%; Score 260.5; DB 3; Length 401;
Best Local Similarity 37.9%; Pred. No. 2.2e-17;
Matches 47; Conservative 19; Mismatches 53; Indels 5; Gaps 2;

QY 11 LCLVIALPALPVPVARGVAET-PTYPMRDAETGERLVCAQCPGTFVORPCRDSPT 68
11 LCLVIALPALPVPVARGVAETPTYPMRDAETGERLVCAQCPGTFVORPCRDSPT 68
Db 4 LCLCAL---VFIDISIKMTQTEFFPKYLHYDETSHTLLOCKCPGTYLKHCTAKWMT 60
QY 69 TCGPCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 128
69 TCGPCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 128
Db 61 VCAPCPDHYTDSWHTSDCLYCSPVCKELOYVKDCNRTNHNVCCKGRLYEIEFCLK 120
QY 129 HASC 132
129 HASC 132
Db 121 HNSC 124

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J.
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)42-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 34.3%; Score 260.5; DB 4; Length 401;
Best Local Similarity 37.9%; Pred. No. 2.2e-17;
Matches 47; Conservative 19; Mismatches 53; Indels 5; Gaps 2;

QY 11 LCLVIALPALPVPVARGVAET-PTYPMRDAETGERLVCAQCPGTFVORPCRDSPT 68
11 LCLVIALPALPVPVARGVAETPTYPMRDAETGERLVCAQCPGTFVORPCRDSPT 68
Db 4 LCLCAL---VFIDISIKMTQTEFFPKYLHYDETSHTLLOCKCPGTYLKHCTAKWMT 60
QY 69 TCGPCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 128
69 TCGPCPPRHYTOFWMYLERCRVCNVLGGEREEARACHATNHRACRGTGF 128
Db 61 VCAPCPDHYTDSWHTSDCLYCSPVCKELOYVKDCNRTNHNVCCKGRLYEIEFCLK 120
QY 129 HASC 132
129 HASC 132
Db 121 HNSC 124

RESULT 4

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN

MOLECULE TYPE: protein
US-08-292-549-6

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; ELEDA: 14-830/
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 197 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-505-606-1

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Query Match	23.2%	Score 176;	DB 2;	Length 197;
Best Local Similarity	37.2%	Pred. No. 1e-09;		
Matches	35;	Conservative 11;	Mismatches 42;	Indels 6;
				Gaps 3.
QY	42	ENCEGELVACQCPGPFYVQRCRRDSTPTTCGPPPRHYTFQMYL---	EEGRCYCNVLGGER	98

Db 25 EPHRHCSCPCPGTYVSANCSRIIDTVCAICAENSYNEHWNITLTCQLCRPCDPVWG-- 82
QY 99 EEEARACHATHNRACRCRTGFFAHAGFLEHASC 132
Db 83 LEEIAPCTSKRKTCRCQRCQPMFC-AAWALCCTHC 115

RESULT 12

US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-974-022-48

Query Match 23.2%; Score 176; DB 3; Length 227;
Best Local Similarity 32.0%; Pred. No. 1.2e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GLSLLCLVIALPALPVRNVAETPTYPWRDAETGE-----RLVCAQCPG 55
Db 13 GLELMAAHLPA-----QVAFTPYAP---EPSTCLRLRYDDQIAQCCSKSPG 60
QY 56 TFVORPCRRDSPPTGCGPPRHYYTOFWNYLERCRVCNVLGGEEREEARACHATHNRACRC 115
Db 61 QHAKVFCITKSDIVDCSCEDSTYTQLMNMVPECLSCGSCSSDQVETQACTRQNRICTC 120
QY 116 RTGFF 120
Db 121 RCGMY 125

RESULT 13

US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.

APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent
TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,229
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Wright, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: protein

US-08-385-229-2

Query Match 23.2%; Score 176; DB 1; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GLSLLCLVIALPALPVRNVAETPTYPWRDAETGE-----RLVCAQCPG 55
Db 13 GLELMAAHLPA-----QVAFTPYAP---EPSTCLRLRYDDQIAQCCSKSPG 60
QY 56 TFVORPCRRDSPPTGCGPPRHYYTOFWNYLERCRVCNVLGGEEREEARACHATHNRACRC 115
Db 61 QHAKVFCITKSDIVDCSCEDSTYTQLMNMVPECLSCGSCSSDQVETQACTRQNRICTC 120
QY 116 RTGFF 120
Db 121 RCGMY 125

RESULT 14

US-08-650-000-2
Sequence 2, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101


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:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/650,000
: FILING DATE:
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/08/468,453
: FILING DATE:
: APPLICATION NUMBER: US/08/038,765
: FILING DATE:
: APPLICATION NUMBER: US 403,241
: FILING DATE: 05-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 405,370
: FILING DATE: 11-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 421,417
: FILING DATE: 13-OCT-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 523,635
: FILING DATE: 10-MAY-1990
: ATTORNEY/AGENT INFORMATION:
: NAME: Wight, Christopher L.
: REGISTRATION NUMBER: 31,680
: REFERENCE/DOCKET NUMBER: 2501-D
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 587-0430
: TELEFAX: (206) 233-0644
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: US-08-650-000-2

Query Match      23.2%; Score 176; DB 2; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GSLSLCLVLAIPALLPVAIVGVAETPTYPMDAETGE-----RLVCAQCQPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 13 GLELMAAAHALPA-----QVAFTPYAP---EPGSTCRLREYYDDTAQMCSCSPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 56 TFVQRCRRDSPPTGCPGPRHYTOFWNYLERCRVCNVLCGREGREBARACHATHNRACRC 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 QHAKVFCRTKTSPTVCDSCEDSTYTQLMNMVPECLSCGRSSDOVETQACTREONRITC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 116 RTGFF 120
   | : :
DB 121 RCGWY 125

RESULT 15
US-09-042-785A-7
: Sequence 7, Application US/09042785A
: Patent No. 6194151
: GENERAL INFORMATION:
: APPLICANT: Busfield, Samantha J
: TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
: AND USES THEREFOR
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD, LLP
: STREET: 28 State Street
: CITY: Boston
: STATE: Massachusetts
: COUNTRY: USA
```

```

: ZIP: 02109
:
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/042,785A
: FILING DATE: 17-MAR-1998
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/938,896
: FILING DATE: 26-SEP-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: Mandragoras, Amy E.
: REGISTRATION NUMBER: 36,207
: REFERENCE/DOCKET NUMBER: MEI-001CP
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617) 227-7400
: TELEFAX: (617) 742-4214
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: FRAGMENT TYPE: internal
: US-09-042-785A-7

Query Match      23.2%; Score 176; DB 4; Length 461;
Best Local Similarity 32.0%; Pred. No. 2.5e-09;
Matches 40; Conservative 12; Mismatches 49; Indels 24; Gaps 3;

QY 8 GSLSLCLVLAIPALLPVAIVGVAETPTYPMDAETGE-----RLVCAQCQPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
DB 13 GLELMAAAHALPA-----QVAFTPYAP---EPGSTCRLREYYDDTAQMCSCSPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 56 TFVQRCRRDSPPTGCPGPRHYTOFWNYLERCRVCNVLCGREGREBARACHATHNRACRC 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 61 QHAKVFCRTKTSPTVCDSCEDSTYTQLMNMVPECLSCGRSSDOVETQACTREONRITC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 116 RTGFF 120
   | : :
DB 121 RCGWY 125
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Search completed: May 23, 2001, 15:56:35
Job time: 168 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:34 ; Search time 109.73 Seconds

(without alignments)
24.510 Million cell updates/sec

Title: US-09-518-931-4_COPY_31_170

Perfect score: 871
Sequence: 1 AETPTVPMRAETGERLVCA.....PRSGRRGCGVAGPSLAP 140

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	667	81.2	300	2	US-08-794-796-2
2	292.5	35.6	401	3	US-08-974-022-6
3	292.5	35.6	401	4	US-09-042-785A-12
4	285.5	34.8	401	3	US-08-974-022-4
5	285.5	34.8	401	4	US-09-042-785A-13
6	282.5	34.4	401	4	US-08-974-022-2
7	203	24.7	474	2	US-08-650-000-4
8	203	24.7	474	2	US-09-042-785A-8
9	203	24.7	474	6	5395760-4
10	191	23.3	163	2	US-08-219-237B-5
11	189	23.0	164	2	US-08-232-087A-9
12	189	23.0	227	3	US-08-974-022-48
13	189	23.0	461	1	US-08-385-229-2
14	189	23.0	461	2	US-08-650-000-2
15	189	23.0	461	2	US-09-042-785A-7
16	189	23.0	461	6	5395760-2
17	189	23.0	486	1	US-08-243-010-1
18	189	23.0	518	1	US-08-385-229-4
19	187.5	22.8	253	4	US-09-042-785A-4
20	187.5	22.8	605	4	US-09-042-785A-23
21	187.5	22.8	655	3	US-08-959-382-2
22	186	22.7	197	2	US-08-505-606-1
23	184	22.4	355	1	US-08-292-549-6
24	170.5	20.8	207	3	US-08-974-022-47
25	170.5	20.8	325	1	US-08-292-549-2
26	170.5	20.8	325	4	US-09-042-785A-9
27	170.5	20.8	325	5	PCR-US91-02207-2

28	165.5	20.2	326	1	US-08-292-549-4	Sequence 4, Appl
29	165.5	20.2	326	5	PCR-US91-02207-4	Sequence 4, Appl
30	163	19.9	120	3	US-08-974-022-42	Sequence 42, Appl
31	147	17.9	277	2	US-08-147-784-2	Sequence 2, Appl
32	143.5	17.5	283	3	PCR-US96-12374-2	Sequence 2, Appl
33	140.5	17.1	186	1	US-08-089-458B-6	Sequence 6, Appl
34	134	16.3	122	2	US-08-232-087A-7	Sequence 7, Appl
35	129.5	15.8	139	2	US-08-219-237B-8	Sequence 8, Appl
36	129.5	15.8	451	3	US-08-996-139-4	Sequence 4, Appl
37	129.5	15.8	591	3	US-08-996-139-2	Sequence 2, Appl
38	129.5	15.8	616	3	US-08-996-139-6	Sequence 6, Appl
39	129	15.7	205	3	US-08-974-022-51	Sequence 51, Appl
40	129	15.7	206	1	US-08-097-827-7	Sequence 7, Appl
41	129	15.7	206	1	US-08-494-574-7	Sequence 7, Appl
42	129	15.7	438	1	US-08-097-827-11	Sequence 11, Appl
43	129	15.7	438	1	US-08-494-574-11	Sequence 11, Appl
44	127	15.5	327	4	US-09-290-640-66	Sequence 66, Appl
45	127	15.5	573	4	US-09-042-785A-2	Sequence 2, Appl

ALIGNMENTS

```

RESULT
1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885800
; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESS: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match      81.2%   Score 667;   DB 2;   Length 300;

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CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

```

: NAME: Mandragoras, Amy E
: REGISTRATION NUMBER: 36,207
: REFERENCE/DOCKET NUMBER: MEI-001GEP
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (617)227-7400
: TELEFAX: (617)742-4214
: INFORMATION FOR SEQ ID NO: 13:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 401 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
: FRAGMENT TYPE: internal
US-09-042-785A-13

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Query Match Similarity      34.4% Score 282.5 DB 3 Length 401:
Best Local Similarity      38.3% Pred NO.1.le-18.7
Matches    54; Conservative   20; Mismatches 56; Indels 11; Gaps 3

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ID	Accession	Title
OY	4 PTYWRDAETGERLVCACOPCGTGYVQRPDRSDPTTCGCPPEPRHYTOFWNLDERGRYCNV	63
DB	26 PEYLHDEYDETGGQLLDCKCAPSTYLKQHCTVBRKTLGVPCPDXYSTDMSHTSDECYVCSF	85
OY	64 LCGEEHEERARNOAHNNRNCRCRTGEFFAHAGCCLHASCPBPACVIAPESNARGCAPRS	123
DB	86 VKCELTQYKQECBNRNTHNRCCBCEENRYLELEPCLNHRSCPGLVL-----QAGTPER	138
OY	124 GG--RRCGRGVAG--PSLPAL	140
DB	139 NTVCKRCPDGFSGFTSSKAP	159

```

RESULT          7
US-08-650-000-4
Sequence 4, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
Street: 51 University Street
City: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
TELECOMMUNICATION INFORMATION:
REFERENCE/DOCKET NUMBER: 2501-D
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear

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[illegible]

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      RESULT      8
US-09-042-785A-8
; Sequence 8, Application US/09042785A
; Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESS: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042.785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MET-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-8

Query Match          24.7%; Score 203; DB 4; Length 474;
Best Local Similarity 31.8%; Pred. No.2.5e-11;
Matches    42; Conservative   13; Mismatches   35; Indels   22; Gaps

QY      16 BLVCAOCPGGTFVOPRCRDSPTTCGPPRRHYTQFWNMLEGRYCYNVLGEEREENRAC 75
       ::|::|||::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
Db      52 QMCACKCPGGQYVKHFCKNTSDTVCADEASMYITGVANQFRCLCSSSCTTDQYEIRAC 111

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```

?      HYPOTHETICAL: NO
?      FRAGMENT TYPE: Internal
?      FEATURE:
?      NAME/KEY: Protein
?      LOCATION: 1..164
?      OTHER INFORMATION:
?
US-08-233-087A-9 /note="TNR2, see Fig. 5"

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Query Match	23.0%;	Score 189;	DB 2;	Length 164;
Best Local Similarity	33.0%;	Pred. No. 1.6e-10;		
Matches 34;	Conservative 12;	Mismatches 51;	Indels 6;	Gaps 1;

QY 16 RLVAQCPRFTFVQRPCARDSPTTCGRCPPRHHTYGFWNYLKERCYCNVLGEREEARAC 75
::: ||| : | | | ||| :: | : | |
Db 14 QMCSKSPGGHAKVFCTRTSDTFCDCSEDSSTYTGLMNWVPEDLSGSGRSCSSDYETQAC 73

```

      || || | : :
Db 74 TREÖNRICTRPGWYCALSKÖEGCRLCAPLRKCRPGFGVARPG 116

```

```

: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/577,788
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Wintler, Robert B.
: REFERENCE/DOCKET NUMBER: A-378
: INFORMATION FOR SEQ ID NO: 48:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 227 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: OS-08-974-022-48

```

```

QY      76  HATNRRACRCRIGFEFAHG-----FCLHNASCPGAGVIAPG 112
          || || | : : | || | ||
Db      111  TREQNRICTCRGWYCALSKQEGCHLCAPLRKCRPGREVARPG 153

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RESULT 13
US-08-385-229-2
Sequence 3 Application US/08085229

```

APPLICATION NUMBER: US/08/385,229
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-385-229-2

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	Query Match	Similarity	33.08;	Score	189;	DB	3;	Length	227;
	Best Local	Similarity	23.08;	Score	No.	2.e-10;			
	Matches	34;	Conservative	12;	Mismatches	51;	Indels	6;	Gaps
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		:::!::::!							
Dst	51	QMCSCSKSPGCHAKVAFCTKTSDFVDCSCDESDYSTVLTOLNNWVPECLSCGSSCSDDVETFOAC	110						

RESULT 14
 US-08-650-000-2
 : Sequence 2: Application US/08650000
 : Patent No. 5945397
 :
 : GENERAL INFORMATION:
 :
 : APPLICANT: Smith, Craig A.
 : APPLICANT: Goodwin, Raymond G.
 : APPLICANT: Beckmann, M. Patricia
 : TITLE OF INVENTION: Tumor Necrosis Factor Receptors
 : NUMBER OF SEQUENCES: 4

Page 7

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1 City: Boston
2 State: Massachusetts
3 Country: USA
4 Zip: 02109
5
6 COMPUTER READABLE FORM:
7 Medium type: floppy disk
8 Computer: IBM PC compatible
9 Operating system: PC-DOS/MS-DOS
10 Software: Patentln Release #1.0, Version #1.25
11
12 CURRENT APPLICATION DATA:
13 Application number: US/09/042,785A
14 Filing date: 17-MAR-1998
15 Prior application data:
16 Application number: US 08/938,896
17 Filing date: 26-SEP-1997
18
19 ATTORNEY/AGENT INFORMATION:
20 Name: Mandragouras, Amy E
21 Registration number: 36,207
22
23 REFERENCE/DOCKET NUMBER: MEI-001CP
24
25 TELECOMMUNICATION INFORMATION:
26 Telephone: (617)227-7400
27 Telefax: (617)742-4214
28
29 INFORMATION FOR SEQ ID NO: 7:
30
31 Sequence characteristics:
32 Length: 461 amino acids
33 Type: amino acid
34 Topology: linear
35
36 MOLECULE TYPE: peptide
37
38 FRAGMENT TYPE: internal
39
40 US-09-042-785A-7

```

```

OY      16  RLVCACQCPGGFFVAPPCRRSDSTPTGCPPEPRHYTQFMVNLCEGRCYCNVLCGREBEARAC 75
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      51  QMCGSKCGPGHAKAFECRTKISDTVDCSEDESDTYITLMMWVPECLSCGSRCSDDYETQAC 110
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY      76  HATHNRACRCRTGFFPAHAG-----FCLHASCPPGAGVIABG 112
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db      111 TREONRICTCRPGWYCALSKQEGCRICAPLRKRCRPGFGVAREG 153
      : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

RESULT 15
US-09-042-785A-7
: Sequence 7, Application US/09042785A
: Patent No. 6194151
:
: GENERAL INFORMATION:
: APPLICANT: Busfield, Samantha J
: TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
: TITLE OF INVENTION: AND USES THEREFOR
: NUMBER OF SEQUENCES: 31
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: LAHIVE & COCKFIELD, LLP
: STREET: 28 State Street

```


GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:34 ; Search time 109.73 Seconds
(without alignments)
29.763 Million cell updates/sec

Title: US-09-518-931-4

Perfect score: 968

Sequence: 1 MRALEPGSLCLVLAIPA.....PRSGRCGRGQVAGPSLAP 170

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents, AA:*

1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
5: /cgn2_6/ptodata/2/1aa/PCITUS.COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/Backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Length	DB ID	Description
1	814	84.1	300 2	US-08-794-796-2 Sequence 2, Appl
2	296	30.6	401 3	US-08-974-022-6 Sequence 6, Appl
3	296	30.6	401 4	US-09-042-785A-12 Sequence 12, Appl
4	285.5	29.5	401 3	US-08-974-022-4 Sequence 4, Appl
5	285.5	29.5	401 4	US-09-042-785A-13 Sequence 13, Appl
6	282.5	29.2	401 3	US-08-974-022-2 Sequence 2, Appl
7	203	21.0	474 2	US-08-650-000-4 Sequence 4, Appl
8	203	21.0	474 4	US-09-042-785A-8 Sequence 8, Appl
9	203	21.0	474 6	5395760-4 Patent No. 5395760
10	202	20.9	227 3	US-08-974-022-48 Sequence 48, Appl
11	202	20.9	461 1	US-08-385-229-2 Sequence 2, Appl
12	202	20.9	461 2	US-08-650-000-2 Sequence 2, Appl
13	202	20.9	461 4	US-09-042-785A-7 Patent No. 5395760
14	202	20.9	461 6	5395760-2 Patent No. 5395760
15	202	20.9	486 1	US-08-243-010-1 Sequence 1, Appl
16	202	20.9	518 1	US-08-385-229-4 Sequence 4, Appl
17	191	19.7	163 2	US-08-219-237B-5 Sequence 5, Appl
18	190	19.6	355 2	US-08-292-549-6 Sequence 6, Appl
19	189	19.5	164 2	US-08-232-087A-9 Sequence 9, Appl
20	187.5	19.4	253 4	US-09-042-785A-4 Sequence 4, Appl
21	187.5	19.4	605 4	US-09-042-785A-23 Sequence 23, Appl
22	187.5	19.4	655 3	US-08-959-382-2 Sequence 2, Appl
23	186	19.2	197 2	US-08-505-606-1 Sequence 1, Appl
24	172.5	17.8	207 3	US-08-974-022-47 Sequence 47, Appl
25	172.5	17.8	325 1	US-08-292-549-2 Sequence 2, Appl
26	172.5	17.8	325 4	US-09-042-785A-9 Sequence 9, Appl
27	172.5	17.8	325 5	PCT-US91-02207-2 Sequence 2, Appl

28	170	17.6	326 1	US-08-292-549-4 Sequence 4, Appl
29	170	17.6	326 5	PCT-US91-02207-4 Sequence 4, Appl
30	168	17.4	120 3	US-08-974-022-42 Sequence 42, Appl
31	157.5	16.3	277 2	US-08-147-78A-2 Sequence 2, Appl
32	148	15.7	186 1	US-08-089-458B-6 Sequence 6, Appl
33	145.5	15.0	283 5	PCT-US96-12374-2 Sequence 2, Appl
34	138.5	14.3	625 1	US-08-996-139-15 Sequence 15, Appl
35	134	13.8	122 2	US-08-232-087A-7 Sequence 7, Appl
36	133	13.7	451 3	US-08-996-139-4 Sequence 4, Appl
37	133	13.7	616 3	US-08-996-139-6 Sequence 6, Appl
38	132	13.6	206 1	US-08-097-827-7 Sequence 7, Appl
39	132	13.6	206 1	US-08-494-574-7 Sequence 11, Appl
40	132	13.6	438 1	US-08-097-827-11 Sequence 11, Appl
41	132	13.6	438 1	US-08-494-574-11 Sequence 11, Appl
42	131.5	13.6	205 3	US-08-974-022-51 Sequence 51, Appl
43	129.5	13.4	139 2	US-08-219-237B-8 Sequence 8, Appl
44	129.5	13.4	591 3	US-08-996-139-2 Sequence 2, Appl
45	128	13.2	595 1	US-08-225-989-2 Sequence 2, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF SEQUENCES: TR4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 84.1%; Score 814; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 3.4e-67;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	MRALEGGSLSLICLVIALPALLPVARGVAETPTTYPMRALETGERLVCAQCPGPTFVOR	60
Db	1	MRALEGGSLSLICLVIALPALLPVARGVAETPTTYPMRALETGERLVCAQCPGPTFVOR	60
Qy	61	PCRDSPSTTGCPCPPRAYTOFWNTLERCRCNVLCGRREBARCATHNRACRCRTGFF	120
Db	61	PCRDSPSTTGCPCPPRHYTQFWNTLERCRCNVLCGRREBARCATHNRACRCRTGFF	120
Qy	121	AHAQFCLEHASCPRGAGVIAPG	142
Db	121	AHAQFCLEHASCPRGAGVIAPG	142

RESULT 2
ITS-08-074

```

1      Sequence 6, Application US/08974022
2      Patent No. 6015938
3
4      GENERAL INFORMATION:
5
6      APPLICANT:  BOYLE, William J.
7      APPLICANT:  Lacey, David L.
8      APPLICANT:  Calzone, Frank J.
9      APPLICANT:  Chang, Ming-Shi
10     TITLE OF INVENTION:  OSTEOPROTEGERIN
11     NUMBER OF SEQUENCES:  53
12
13     CORRESPONDENCE ADDRESS:
14
15     ADDRESSEE:  Amgen Inc.
16     STREET:    1840 Dehavenland Drive
17     CITY:      Thousand Oaks
18     STATE:     California
19     COUNTRY:   USA
20     ZIP:       91320-1789
21
22     COMPUTER READABLE FORM:
23
24     MEDIUM TYPE:  Floppy disk
25     COMPUTER:     IBM PC compatible
26     OPERATING SYSTEM:  PC-DOS/MS-DOS
27     SOFTWARE:     Patent In Release #1.0, Version #1.30
28
29     CURRENT APPLICATION DATA:
30
31     APPLICATION NUMBER:  US/08/974,022
32
33     FILING DATE:  12-DEC-1995
34
35     CLASSIFICATION:
36
37     PRIOR APPLICATION DATA:
38
39     APPLICATION NUMBER:  08/577,788
40
41     FILING DATE:
42
43     ATTORNEY/AGENT INFORMATION:
44
45     NAME:  Winter, Robert B.
46     REFERENCE/DOCKET NUMBER:  A-378
47
48     INFORMATION FOR SEQ ID NO:
49
50     SEQUENCE CHARACTERISTICS:
51
52     LENGTH:  401 amino acids
53     TYPE:    amino acid
54
55     TOPOLOGY:  linear
56
57     MOLECULE TYPE:  protein
58
59     IS-08-974-022-6

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Query Match	30.68;	Score 296;	DB 3;	Length 401;
Post Total Similarity	36.88;	Score 340;	DB 3;	Length 401;

	Matches	57; Conservative	22; Mismatches	62; Indels	14; Gaps
QY	11	LLCLVLALPLLPYPAVKAEN--PYPVRDAETGERLYCAACPGCTFVQPRCRDSP	68		
Db	4	LLCCAL---VFILDISIKWTQETFFPPRYLHYDETSQQLCCPCPTVYLKOKTAKMT	60		
QY	69	TGCGPPRRHTTQWNNYLERRCYCNVLGGEFEERKACHATHNNACRRTGFFAHACPLE	128		
Db	61	VCAPCPDHYTDSMHTSDECLYCSPOCKELQYKQEDENRTHNRYCECKEGRYLIEIFCLK	120		
QY	129	HASCPGAGVIAPGESWARGAPSGS--RRCGRG	161		
Db	121	HRCSPCEFGVY-----QAGTERNTVCKRCRDPG	148		

RESULT 3
US-09-042-

Sequence 12, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MTI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

query match	30.68;	score 296;	DB 4;	length 401;
-------------	--------	------------	-------	-------------

[illegible]

RESULT 4
US-08-974-022-4

Sequence 4, Application US/089/40022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN


```

;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
;
US-08-974-022-2

```

Query Match	29.2%	Score 282.5	DB 3	Length 401
Best Local Similarity	38.3%	Pred. No. 1.6e-18		
Matches 54	Conservative 20	Mismatches 56	Indels 11	Gaps 3

QY 34 PTYYPMRAETEEERLYVCAACPPGTFVSPQRDSPTTGPCPPCRHAYTQFWANLEGRICNV 93
Db 26 PKYLYHDPETGROLCDKCAKPGTYLKHQCVRRKTLVCPDYSYTDSTWHTSDCYCSP 85
QY 94 ICGEREERBARCCHTNHRACRRTGFPAHMGFCLEHNASCPGAGVIAPGSEMGANGAPRS 15
Db 86 VKELQIYVKQCCNTHNRVCCDEGRILDEFCILKHSNCPGLGLV-----QAGTPER 138
QY 154 GG--RRCGRGVAG--PSLAP 170
Db 139 NTVCRRCPDGEFFSETSSKAP 159

RESULT 7

US-08-650-000-4
Sequence 4, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
City: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435.
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/466,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wright, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2501-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 4:

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 474 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
;
US-08-650-000-4

```

Query Match	21.0%;	Score 203;	DB 2;	Length 474;
Best Local Similarity	31.8%;	Pred. No. 3,6e-11;		
Matches 42;	Conservative 13;	Mismatches 55;	Indels 22;	Gaps 3

[illegible]

RESULT &

US-09-042-785A-8
; Sequence 8, Application US/09042785A

```

GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
City: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042.785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragoras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal

```

Query Match	21.0%	Score	203	DB 4:	Length	474	
Best Local Similarity	31.8%	Pred. No.	3.6e-11				
Matches	42	Conservative	13	Mismatches	55	Indels	22
						Gaps	3


```

Query Match      20.9%: Score 202; DB 4; Length 461;
Best Local Similarity 31.4%: Pred. No. 4.3e-11;
Matches 48; Conservative 12; Mismatches 63; Indels 30; Gaps 4;

OY 8 GSLSLCLVLALPALPVPVAVRGVAETPTYPWRDAETGE-----RLVCAQCPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 GELMAAAHALPA-----QVAFTPVAP---EPGSTRCLREYYDQTAOMCCSKCPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 56 TVVQRCRRDSTPTGCPGPPRHYYTOFWNYLERCRCNVLCGEREEBARACHATHNACRC 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 QHAKVFCTKTSPTVDCSDSTYTOLMNVVPECLSGSRSSDQVETQACTREONRICTC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 116 RTGFFAHAG-----FCLHASCPPGAGVIAPG 142
   | : : | : : | : : | : : | : : | : : | : : | : : | : :
Db 121 RRGWTCALSKQEGCRCLAPLRKCRPGFVGARPG 153

RESULT 14
5395760-2
: Patent No. 5395760
: APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN,
: M. PATRICIA
: TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND
: B-RECEPTORS
: NUMBER OF SEQUENCES: 17
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/523,635
: FILING DATE: 10-MAY-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 421,417
: FILING DATE: 13-OCT-1989
: APPLICATION NUMBER: 405,370
: FILING DATE: 11-SEP-1989
: APPLICATION NUMBER: 403,241
: FILING DATE: 05-SEP-1989
: SEQ ID NO: 2
: LENGTH: 461
5395760-2

Query Match      20.9%: Score 202; DB 6; Length 461;
Best Local Similarity 31.4%: Pred. No. 4.3e-11;
Matches 48; Conservative 12; Mismatches 63; Indels 30; Gaps 4;

OY 8 GSLSLCLVLALPALPVPVAVRGVAETPTYPWRDAETGE-----RLVCAQCPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 GELMAAAHALPA-----QVAFTPVAP---EPGSTRCLREYYDQTAOMCCSKCPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 56 TVVQRCRRDSTPTGCPGPPRHYYTOFWNYLERCRCNVLCGEREEBARACHATHNACRC 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 QHAKVFCTKTSPTVDCSDSTYTOLMNVVPECLSGSRSSDQVETQACTREONRICTC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 116 RTGFFAHAG-----FCLHASCPPGAGVIAPG 142
   | : : | : : | : : | : : | : : | : : | : : | : : | : :
Db 121 RRGWTCALSKQEGCRCLAPLRKCRPGFVGARPG 153

RESULT 15
US-08-243-010-1
: Sequence 1, Application US/08243010
: Patent No. 5639597
: GENERAL INFORMATION:
: APPLICANT: Laufer, Leander
: APPLICANT: Zeitlmeissel, Gerd
: APPLICANT: Ogundo, Patricia
: TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
: TITLE OF INVENTION: Production and Use Thereof
: NUMBER OF SEQUENCES: 6
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
: ADDRESSEE: Dunner

```

```

: STREET: 1300 I Street, N.W.
: CITY: Washington
: STATE: D.C.
: COUNTRY: USA
: ZIP: 20005-3315
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patent Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/243,010
: FILING DATE: 13-MAY-1994
: CLASSIFICATION: 435
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 07/798,564
: FILING DATE: 26-NOV-1991
: APPLICATION NUMBER: DE P 40 37 837.3
: FILING DATE: 28-NOV-1990
: ATTORNEY/AGENT INFORMATION:
: NAME: Einaudi, Carol P.
: REGISTRATION NUMBER: 32,220
: REFERENCE/DOCKET NUMBER: 02481-1132-00000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: 202-408-4000
: TELEFAX: 202-408-4400
: INFORMATION FOR SEQ ID NO: 1:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 486 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: peptide
US-08-243-010-1

```

```

Query Match      20.9%: Score 202; DB 1; Length 486;
Best Local Similarity 31.4%: Pred. No. 4.5e-11;
Matches 48; Conservative 12; Mismatches 63; Indels 30; Gaps 4;

OY 8 GSLSLCLVLALPALPVPVAVRGVAETPTYPWRDAETGE-----RLVCAQCPG 55
   ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 13 GELMAAAHALPA-----QVAFTPVAP---EPGSTRCLREYYDQTAOMCCSKCPG 60
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 56 TVVQRCRRDSTPTGCPGPPRHYYTOFWNYLERCRCNVLCGEREEBARACHATHNACRC 115
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 61 QHAKVFCTKTSPTVDCSDSTYTOLMNVVPECLSGSRSSDQVETQACTREONRICTC 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 116 RTGFFAHAG-----FCLHASCPPGAGVIAPG 142
   | : : | : : | : : | : : | : : | : : | : : | : : | : :
Db 121 RRGWTCALSKQEGCRCLAPLRKCRPGFVGARPG 153

```

Search completed: May 23, 2001, 15:56:34
Job time: 167 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:32 ; Search time 109.73 Seconds
(without alignments)
4.552 Million cell updates/sec

Title: US-09-518-931-2_COPY_239_264
Perfect score: 137
Sequence: 1 PEGMGPTFRAGRAALQKLRRRLTEL 26

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents_AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	137	100.0	300	2	US-08-794-796-2
2	53.5	39.1	774	2	US-08-231-193A-42
3	53.5	39.1	774	2	US-08-486-273A-42
4	53.5	39.1	774	3	US-08-480-474-42
5	53.5	39.1	774	4	US-08-940-086A-42
6	53.5	39.1	1214	4	US-08-231-193A-54
7	53.5	39.1	1214	2	US-08-486-273A-54
8	53.5	39.1	1214	3	US-08-480-474-54
9	53.5	39.1	1214	4	US-08-940-086A-54
10	53.5	39.1	1219	2	US-08-231-193A-50
11	53.5	39.1	1219	2	US-08-486-273A-50
12	53.5	39.1	1219	3	US-08-480-474-50
13	53.5	39.1	1219	4	US-08-940-086A-50
14	53.5	39.1	1231	2	US-08-231-193A-48
15	53.5	39.1	1231	2	US-08-486-273A-48
16	53.5	39.1	1231	3	US-08-480-474-48
17	53.5	39.1	1231	4	US-08-940-086A-48
18	53.5	39.1	1236	2	US-08-231-193A-6
19	53.5	39.1	1236	2	US-08-486-273A-6
20	53.5	39.1	1236	4	US-08-940-086A-6
21	53.5	39.1	1239	2	US-08-231-193A-52
22	53.5	39.1	1239	2	US-08-486-273A-52
23	53.5	39.1	1239	3	US-08-480-474-52
24	53.5	39.1	1239	4	US-08-940-086A-52
25	53.5	39.1	1244	2	US-08-231-193A-46
26	53.5	39.1	1244	2	US-08-486-273A-46
27	53.5	39.1	1244	2	US-08-486-273A-46

28	53.5	39.1	1244	3	US-08-480-474-46	Sequence 46, Appl
29	53.5	39.1	1244	4	US-08-940-086A-46	Sequence 46, Appl
30	50	36.5	797	1	US-08-698-551-18	Sequence 18, Appl
31	50	36.5	797	2	US-08-839-032A-18	Sequence 18, Appl
32	46	33.6	799	3	US-08-909-954-4	Sequence 4, Appl1
33	45.5	33.2	380	1	US-08-416-478A-6	Sequence 6, Appl1
34	45.5	33.2	380	2	US-08-474-988B-6	Sequence 6, Appl1
35	45.5	33.2	380	2	US-08-394-442B-6	Sequence 6, Appl1
36	45.5	33.2	470	1	US-08-416-478A-7	Sequence 7, Appl1
37	45.5	33.2	470	2	US-08-474-988B-7	Sequence 7, Appl1
38	45.5	33.2	470	2	US-08-394-442B-7	Sequence 7, Appl1
39	45.5	33.2	471	1	US-08-416-478A-2	Sequence 2, Appl1
40	45.5	33.2	471	2	US-08-474-988B-2	Sequence 2, Appl1
41	45.5	33.2	471	2	US-08-394-442B-2	Sequence 2, Appl1
42	45.5	33.2	476	2	US-08-737-271-1	Sequence 1, Appl1
43	45.5	33.2	476	4	US-09-058-555-1	Sequence 1, Appl1
44	45.5	33.2	498	1	US-08-416-478A-9	Sequence 9, Appl1
45	45.5	33.2	498	2	US-08-474-988B-9	Sequence 9, Appl1

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OR INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF INVENTION: TR4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%, Score 137, DB 2: Length 300;

Best Local Similarity 100.0%; Pred. No. 1.8e-13;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 PEGGPPPRAGRALQKLRRLTEL 26
Db 239 PEGGPPPRAGRALQKLRRLTEL 264

RESULT 2

US-08-231-193A-42
; Sequence 42, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 774 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-231-193A-42

Query Match 39.1%; Score 53.5; DB 2; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGGPPPRAGRAL 15
Db 692 PTCGMP-PDGGRAL 705

RESULT 3

US-08-486-273A-42
; Sequence 42, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.

APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 774 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-486-273A-42

Query Match 39.1%; Score 53.5; DB 2; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGGPPPRAGRAL 15
Db 692 PTCGMP-PDGGRAL 705

RESULT 4
US-08-480-474-42
; Sequence 42, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; TITLE OF INVENTION: SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25

;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/480,474
;; FILING DATE: 06-JUN-1995
;; CLASSIFICATION: 536
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seidman, Stephanie
;; REGISTRATION NUMBER: 33,779
;; REFERENCE/DOCKET NUMBER: 6362-93828
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-238-0999
;; TELEFAX: 619-238-0062
;; INFORMATION FOR SEQ ID NO: 42:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 774 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-480-474-42

Query Match 39.1%; Score 53.5; DB 3; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
Db 692 PTCGMP-PDGGRAAL 705

RESULT 5
US-08-940-086A-42
;; Sequence 42, Application US/08940086A
;; Patent No. 6111091
;; GENERAL INFORMATION:
;; APPLICANT: Daggett, Lorrie P.
;; APPLICANT: Ellis, Steven B.
;; APPLICANT: Liaw, Chen W.
;; APPLICANT: Lu, Chin-Chun
;; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
;; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;; NUMBER OF SEQUENCES: 63
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Heller Ehrman White & McCauliffe
;; STREET: 4250 Executive Square, 7th Floor
;; CITY: La Jolla
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92037
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/940,086A
;; FILING DATE: 29-SEPT-97
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/231,193
;; FILING DATE: 20-APR-1994
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/052,449
;; FILING DATE: 20-APR-1993
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seidman, Stephanie
;; REGISTRATION NUMBER: 33,779
;; REFERENCE/DOCKET NUMBER: 24735-9383C
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (619) 450-8400
;; TELEFAX: (619) 450-8499
;; INFORMATION FOR SEQ ID NO: 42:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 774 amino acids

;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-940-086A-42

Query Match 39.1%; Score 53.5; DB 4; Length 774;
Best Local Similarity 73.3%; Pred. No. 2.9;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
Db 692 PTCGMP-PDGGRAAL 705

RESULT 6
US-08-231-193A-54
;; Sequence 54, Application US/08231193A
;; Patent No. 5849895
;; GENERAL INFORMATION:
;; APPLICANT: Daggett, Lorrie P.
;; APPLICANT: Ellis, Steven B.
;; APPLICANT: Liaw, Chen W.
;; APPLICANT: Lu, Chin-Chun
;; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
;; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
;; NUMBER OF SEQUENCES: 63
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Brown, Martin, Haller & McClain
;; STREET: 1660 Union Street
;; CITY: San Diego
;; STATE: CA
;; COUNTRY: U.S.A.
;; ZIP: 92101-2926
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/231,193A
;; FILING DATE: 20-APR-1994
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 08/052,459
;; FILING DATE: 20-APR-1993
;; CLASSIFICATION: 536
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Seidman, Stephanie
;; REGISTRATION NUMBER: 33,779
;; REFERENCE/DOCKET NUMBER: 6362-9383
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-238-0999
;; TELEFAX: 619-238-0062
;; INFORMATION FOR SEQ ID NO: 54:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 1214 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
US-08-231-193A-54

Query Match 39.1%; Score 53.5; DB 2; Length 1214;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

OY 1 PEGMGPTPRAGRAAL 15
Db 935 PTCGMP-PDGGRAAL 948

RESULT 7

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1 COUNTRY: U.S.A.
2 ZIP: 92101-2926
3
4 COMPUTER READABLE FORM:
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6 MEDIUM TYPE: Floppy disk
7 COMPUTER: IBM PC compatible
8 OPERATING SYSTEM: PC-DOS/MS-DOS
9 SOFTWARE: Patentln Release #1.0, Version #1.25
10
11 CURRENT APPLICATION DATA:
12 APPLICATION NUMBER: US/08/480,474
13 FILING DATE: 06-JUN-1995
14 CLASSIFICATION: 536
15
16 ATTORNEY/AGENT INFORMATION:
17 NAME: Seidman, Stephanie
18 REGISTRATION NUMBER: 33,779
19 TELECOMMUNICATION INFORMATION:
20 TELEPHONE: 619-238-0999
21 TELEFAX: 619-238-0062
22 INFORMATION FOR SEQ ID NO: 54:
23 SEQUENCE CHARACTERISTICS:
24 LENGTH: 1214 amino acids
25 TYPE: amino acid
26 TOPOLOGY: linear
27 MOLECULE TYPE: protein
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29 US-08-480-474-54
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REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 54:
SEQUENCE CHARACTERISTICS:
LENGTH: 1214 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-940-086A-54

Query Match 39.1%; Score 53.5; DB 4; Length 1214;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
QY 1 PEGMGPTPRAGRAAL 15
DB 935 PTCWGP-PDGRAAL 948

RESULT 10
US-08-231-193A-50
Sequence 50, Application US/08231193A
Patent No. 5845895
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 1219 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-231-193A-50

Query Match 39.1%; Score 53.5; DB 2; Length 1219;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;

QY 1 PEGMGPTPRAGRAAL 15
DB 940 PTCWGP-PDGRAAL 953

RESULT 11
US-08-486-273A-50
Sequence 50, Application US/08486273A
Patent No. 5985586
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,273A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 50:
SEQUENCE CHARACTERISTICS:
LENGTH: 1219 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-486-273A-50

Query Match 39.1%; Score 53.5; DB 2; Length 1219;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 3; Indels 1; Gaps 1;
QY 1 PEGMGPTPRAGRAAL 15
DB 940 PTCWGP-PDGRAAL 953

RESULT 12
US-08-480-474-50
Sequence 50, Application US/08480474
Patent No. 6033865
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING

GenCore version 4.5
Copyright (c) 1993 - 2000 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:33 ; Search time 109.73 seconds
(without alignments)
2.801 Million cell updates/sec

Title: US-09-518-931-2_COPY_283_298

Sequence: 1 ARMPGLSVERFLP 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA: *
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6: /cgn2_6/ptodata/2/1aa/backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	81	100.0	300	2	US-08-794-796-2
2	39	48.1	350	1	US-08-184-252A-2
3	39	48.1	350	2	US-09-123-851-3
4	39	48.1	350	2	US-08-728-520-3
5	39	48.1	350	5	PCT-US95-00601-2
6	38	46.9	343	2	US-09-123-851-1
7	38	46.9	343	2	US-08-728-520-1
8	38	46.9	400	2	US-08-733-825-2
9	37	45.7	369	2	US-08-991-300-2
10	36.5	45.1	376	1	US-08-303-238-1
11	36	44.4	16	4	US-09-417-305-2
12	36	44.4	43	4	US-09-417-305-1
13	36	44.4	224	1	US-08-173-510B-87
14	36	44.4	224	1	US-08-458-218-85
15	36	44.4	224	2	US-08-450-497-87
16	36	44.4	274	1	US-08-173-510B-83
17	36	44.4	274	1	US-08-458-218-81
18	36	44.4	274	2	US-08-450-497-83
19	36	44.4	284	3	US-08-320-148B-2
20	36	44.4	284	3	US-08-589-028-6
21	36	44.4	284	4	US-08-784-582-6
22	36	44.4	284	4	US-08-785-271-6
23	36	44.4	284	4	US-09-031-898-2
24	35	43.2	15	2	US-08-726-306A-60
25	35	43.2	45	1	US-08-173-510B-15
26	35	43.2	45	1	US-08-458-218-15
27	35	43.2	45	2	US-08-450-497-15

28	35	43.2	382	3	US-08-582-740-70	Sequence 70, Appl
29	35	43.2	401	4	US-08-289-222E-3	Sequence 3, Appl
30	35	43.2	401	4	US-09-054-526B-3	Sequence 3, Appl
31	35	43.2	406	3	US-08-582-740-68	Sequence 68, Appl
32	35	43.2	501	2	US-08-945-848-8	Sequence 8, Appl
33	35	43.2	501	2	US-08-288-508C-2	Sequence 2, Appl
34	35	43.2	570	2	US-08-967-364-1	Sequence 1, Appl
35	35	43.2	570	2	US-08-967-364-7	Sequence 7, Appl
36	35	43.2	570	3	US-09-368-408-1	Sequence 1, Appl
37	35	43.2	570	3	US-09-368-408-7	Sequence 7, Appl
38	35	43.2	4544	1	US-08-469-486-52	Sequence 52, Appl
39	35	43.2	4544	2	US-08-469-658-52	Sequence 52, Appl
40	34	42.0	117	1	US-08-249-013-6	Sequence 6, Appl
41	34	42.0	117	2	US-08-886-863-6	Sequence 6, Appl
42	34	42.0	117	5	PCT-US95-06764-6	Sequence 6, Appl
43	34	42.0	299	5	PCT-US91-00899-6	Sequence 6, Appl
44	34	42.0	340	2	US-08-974-546-5	Sequence 5, Appl
45	34	42.0	342	3	US-08-785-928-1	Sequence 1, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF INVENTION: TR4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 81; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 1e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ARMPGLERSVREFLP 16
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DB 283 ARMPGLERSVREFLP 298

RESULT 2

US-08-184-252A-2
; Sequence 2, Application US/08184252A
; Patent No. 5573935
; GENERAL INFORMATION:
; APPLICANT: Beeler, John F.
; APPLICANT: Larocheville, William
; APPLICANT: Aaronson, Stuart A.
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE A6
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/184,252A
; FILING DATE: 18-JAN-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH084,001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-184-252A-2

Query Match 48.1%; Score 39; DB 1; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPGLERSVREFL 15
||| 1:||||
DB 259 MPGYCSIRERML 271

RESULT 3

US-09-123-851-3
; Sequence 3, Application US/09123851
; Patent No. 5958405
; GENERAL INFORMATION:
; APPLICANT: Goll, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.

ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/123,851
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/728,520
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0136 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: Genbank
; CLONE: 451482

Query Match 48.1%; Score 39; DB 2; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPGLERSVREFL 15
||| 1:||||
DB 259 MPGYCSIRERML 271

RESULT 4

US-08-728-520-3
; Sequence 3, Application US/08728520
; Patent No. 5994112
; GENERAL INFORMATION:
; APPLICANT: Goll, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/728,520
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0136 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555

TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 451482
US-08-728-520-3

Query Match 48.1%; Score 39; DB 2; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 5
PCT-US95-00601-2
; Sequence 2, Application PC/TUS9500601
; GENERAL INFORMATION:
; APPLICANT: United States of America Department of Health and Human
; APPLICANT: Services
; TITLE OF INVENTION: PROTEIN TYROSINE KINASE A6
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe, Martens Olson & Bear
; STREET: 620 Newport Center Drive, Sixteenth Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/00601
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelson, Ned A.
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH084.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 350 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
PCT-US95-00601-2

Query Match 48.1%; Score 39; DB 5; Length 350;
Best Local Similarity 61.5%; Pred. No. 25;
Matches 8; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 6

US-09-123-851-1
; Sequence 1, Application US/09123851
; Patent No. 5958405
; GENERAL INFORMATION:
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304

COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/123,851
; FILING DATE:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 08/728,520
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0136 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166

; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 343 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY:
; CLONE: Consensus
US-09-123-851-1

Query Match 46.9%; Score 38; DB 2; Length 343;
Best Local Similarity 53.8%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 MPELRSVRERFL 15
||| |::||| |
Db 259 MPEYTCISIRERML 271

RESULT 7
US-08-728-520-1
; Sequence 1, Application US/08728520
; Patent No. 5994112
; GENERAL INFORMATION:
; APPLICANT: Goli, Surya K.
; TITLE OF INVENTION: A NOVEL HUMAN PROTEIN TYROSINE KINASE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: U.S.
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/728,520
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0136 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 343 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: Consensus
US-08-728-520-1

Query Match 46.9%; Score 38; DB 2; Length 343;
Best Local Similarity 53.8%; Pred. No. 36;
Matches 7; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

QY 3 MPGLERSVEREFL 15
||| : ||: ||| |
Db 259 MPGYKCSIKERML 271

RESULT 8
US-08-733-825-2
Sequence 2, Application US/08733825
Patent No. 5837839
GENERAL INFORMATION:
APPLICANT: Toth, Matthew J.
TITLE OF INVENTION: Coding Sequences for Mevalonate
TITLE OF INVENTION: Pyrophosphate Decarboxylase
NUMBER OF SEQUENCES: 9
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 5837839art1s Patent and Trademark Department
STREET: 59 Route 10
CITY: East Hanover
STATE: New Jersey
COUNTRY: USA
ZIP: 07936-1080
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/733,825
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/005,652
FILING DATE: 18-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: No. 5837839ak, Henry P.
REGISTRATION NUMBER: 33200
REFERENCE/DOCKET NUMBER: 4-20615/P1/CGC 1834
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 277-5110
TELEFAX: (908) 277-4606
INFORMATION FOR SEQ ID NO: 2:

SEQUENCE CHARACTERISTICS:
LENGTH: 400 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-733-825-2

Query Match 46.9%; Score 38; DB 2; Length 400;
Best Local Similarity 50.0%; Pred. No. 43;
Matches 8; Conservative 2; Mismatches 6; Indels 0; Gaps 0;

QY 1 ARMPGLERSVEREFLP 16
||| : ||: ||| |
Db 235 ARMAEMARCIRERDFP 250

RESULT 9
US-08-991-300-2
Sequence 2, Application US/08991300
Patent No. 5973225
GENERAL INFORMATION:
APPLICANT: D'OVIDIO, RENATO
APPLICANT: PORCEDDU, ENRICO
APPLICANT: MERCHITELLI, CINZIA
APPLICANT: CARDELLI, LUISA ERCOLI
TITLE OF INVENTION: ISOLATION AND CHARACTERIZATION OF A GENE
TITLE OF INVENTION: ENCODING A LOW MOLECULAR WEIGHT GLUTENIN
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. JEFFERSON DAVIS HIGHWAY
CITY: ARLINGTON
STATE: VA
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/991,300
FILING DATE: 16-DEC-1997
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IT MI 96/A 002663
FILING DATE: 19-DEC-1996
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NORMAN F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 2264-0201-0X
TELECOMMUNICATION INFORMATION:
TELEPHONE: 703-413-3000
TELEFAX: 703-413-2220
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 369 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-991-300-2

Query Match 45.7%; Score 37; DB 2; Length 369;
Best Local Similarity 43.8%; Pred. No. 58;
Matches 7; Conservative 5; Mismatches 4; Indels 0; Gaps 0;

QY 1 ARMPGLERSVEREFLP 16
||| : ||: ||| |
Db 1 SHIPGLERSOQOPLP 16

OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/173,510B
FILING DATE: 23-DEC-1993
PRIOR APPLICATION DATA: 08/151,064
FILING DATE: 10-NOV-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1993
APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 205/073
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:
SEQUENCE CHARACTERISTICS:
LENGTH: 224 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PEPTIDE
US-08-173-510B-87

Query Match 44.4%; Score 36; DB 1; Length 224;
Best Local Similarity 53.8%; Pred. No. 50;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
OY 3 MPEGERSVREERFL 15
||| | : | : |
DB 27 MPEGNDISIRLOFL 39

RESULT 14
US-08-458-218-85
Sequence 85, Application US/08458218
Patent No. 5789178
GENERAL INFORMATION:
APPLICANT: MATTHEW MOYLE ET AL.
TITLE OF INVENTION: NOVEL NEUTROPHIL INHIBITORS
NUMBER OF SEQUENCES: 102
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/458,218
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/151,064
FILING DATE: 10-NOVEMBER-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1993
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992

APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 203/226
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 85:
SEQUENCE CHARACTERISTICS:
LENGTH: 224 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PEPTIDE
US-08-458-218-85

Query Match 44.4%; Score 36; DB 1; Length 224;
Best Local Similarity 53.8%; Pred. No. 50;
Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
OY 3 MPEGERSVREERFL 15
||| | : | : |
DB 27 MPEGNDISIRLOFL 39

RESULT 15
US-08-450-497-87
Sequence 87, Application US/08450497
Patent No. 5919900
GENERAL INFORMATION:
APPLICANT: MATTHEW MOYLE, ET AL.
TITLE OF INVENTION: NOVEL NEUTROPHIL INHIBITORS
NUMBER OF SEQUENCES: 104
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/450,497
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/173,510
FILING DATE: 23-DEC-1993
APPLICATION NUMBER: 08/151,064
FILING DATE: 10-NOV-1993
APPLICATION NUMBER: 08/060,433
FILING DATE: 11-MAY-1992
APPLICATION NUMBER: 07/996,972
FILING DATE: 24-DEC-1992
APPLICATION NUMBER: 07/881,721
FILING DATE: 11-MAY-1992
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 205/073
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 87:

SEQUENCE CHARACTERISTICS:
 LENGTH: 224 AMINO ACIDS
 TYPE: AMINO ACID
 TOPOLOGY: LINEAR
 MOLECULE TYPE: PEPTIDE
 US-08-450-497-87

Query Match 44.48; Score 36; DB 2; Length 224;
 Best Local Similarity 53.8%; Pred. No. 50;
 Matches 7; Conservative 2; Mismatches 4; Indels 0; Gaps 0;
 QY 3 MPGLERSVREREL 15
 ||| 1:1:11
 Db 27 MPGFNDSIRLQFL 39

Search completed: May 23, 2001, 15:56:34
 Job time: 167 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:31 ; Search time 109.73 Seconds
(without alignments)
2.276 Million cell updates/sec

Title: US-09-518-931-2_COPY_205_217

Perfect score: 68

Sequence: 1 VPGECECERAVID 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep.*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep.*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep.*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep.*
- 5: /cgn2_6/ptodata/2/1aa/PCITUS.COMB.pep.*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	68	100.0	300	2	US-08-794-796-2
2	45	66.2	437	1	US-07-863-169A-3
3	45	66.2	437	2	US-08-429-964-3
4	45	66.2	437	3	US-07-935-087-3
5	45	66.2	437	5	PCT-US93-08062-3
6	45	66.2	444	3	US-07-935-087-7
7	37	54.4	329	4	US-08-702-344-9
8	34	50.0	377	1	US-08-836-075A-18
9	34	50.0	377	1	US-08-227-108-17
10	34	50.0	377	2	US-09-073-674-17
11	34	50.0	424	2	US-08-871-268A-23
12	34	50.0	424	3	US-08-871-26B-31
13	34	50.0	753	2	US-08-867-941-20
14	34	50.0	753	4	US-09-074-658-20
15	34	50.0	985	2	US-08-867-941-13
16	34	50.0	985	2	US-08-867-941-17
17	34	50.0	985	4	US-09-074-658-13
18	34	50.0	985	4	US-09-074-658-17
19	34	50.0	1000	2	US-08-867-941-12
20	34	50.0	1000	2	US-08-867-941-16
21	34	50.0	1000	4	US-09-074-658-12
22	34	50.0	1000	4	US-09-074-658-16
23	34	50.0	2432	4	US-09-074-658-15
24	34	50.0	2439	4	US-09-074-658-11
25	34	50.0	3224	2	US-08-705-660-34
26	34	50.0	3224	3	US-08-989-045-34
27	33	48.5	149	4	US-08-836-075A-24

28	33	48.5	192	1	US-08-086-428B-79	Sequence 79, Appl
29	33	48.5	192	2	US-08-468-570-79	Sequence 79, Appl
30	33	48.5	192	2	US-08-290-665A-79	Sequence 79, Appl
31	33	48.5	192	5	PCT-US95-10398-79	Sequence 79, Appl
32	33	48.5	318	4	US-08-836-075A-76	Sequence 76, Appl
33	33	48.5	590	1	US-08-448-196A-9	Sequence 9, Appl
34	33	48.5	653	4	US-08-849-602C-27	Sequence 27, Appl
35	33	48.5	653	6	524859-2	Patent No. 524859
36	33	48.5	1311	1	US-08-340-011-5	Sequence 5, Appl
37	33	48.5	1311	3	US-08-901-710-5	Sequence 5, Appl
38	33	48.5	1338	3	US-08-750-141A-3	Sequence 3, Appl
39	32	47.1	60	3	US-08-476-705A-5	Sequence 5, Appl
40	32	47.1	60	6	5202417-1	Patent No. 5202417
41	32	47.1	65	2	US-08-162-081B-49	Sequence 49, Appl
42	32	47.1	65	2	US-08-780-872-49	Sequence 49, Appl
43	32	47.1	66	3	US-08-782-480-26	Sequence 26, Appl
44	32	47.1	84	6	5202417-2	Patent No. 5202417
45	32	47.1	131	2	US-08-162-081B-41	Sequence 41, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESS: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 68; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 0.00018;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 VPGAECERAVID 13
Db 205 VPGAECERAVID 217

RESULT 2

US-07-863-169A-3
; Sequence 3, Application US/07863169A
; Patent No. 5420245
; GENERAL INFORMATION:
; APPLICANT: Brown, Michael S.
; APPLICANT: Goldstein, Joseph L.
; APPLICANT: Reiss, Yuval
; TITLE OF INVENTION: Tetrapeptide-Based Inhibitors of Farnesyl
; TITLE OF INVENTION: Transferase
; NUMBER OF SEQUENCES: 8
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Arnold, White & Durkee
; STREET: P.O. Box 4433
; CITY: Houston
; STATE: Texas
; COUNTRY: United States of America
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/863,169A
; FILING DATE: 03-APR-1992
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/822,011
; FILING DATE: 19-JAN-1992
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 07/937,893
; FILING DATE: 18-APR-1991
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 615,715
; FILING DATE: 20-NOV-1990
; CLASSIFICATION: 530
; APPLICATION NUMBER: US 510,706
; FILING DATE: 18-APR-1990
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Parker, David L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:297/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-07-863-169A-3

Query Match 66.2%; Score 45; DB 1; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 VPGAECERAV 11
Db 420 VPGAECERAV 430

RESULT 3
US-08-429-964-3
; Sequence 3, Application US/08429964
; Patent No. 5962243
; GENERAL INFORMATION:
; APPLICANT: BROWN, MICHAEL S.
; APPLICANT: GOLDSTEIN, JOSEPH L.
; APPLICANT: REISS, YUVAL
; APPLICANT: JAMES, GUY L.
; TITLE OF INVENTION: METHODS FOR THE IDENTIFICATION OF FARNESYL
; TITLE OF INVENTION: TRANSFERASE INHIBITORS
; NUMBER OF SEQUENCES: 85
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ARNOLD, WHITE & DURKEE
; STREET: P.O. BOX 4433
; CITY: HOUSTON
; STATE: TEXAS
; COUNTRY: UNITED STATES OF AMERICA
; ZIP: 77210
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS/ASCII
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/429,964
; FILING DATE: 27-APR-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/021,625
; FILING DATE: 16-FEB-1993
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/822,011
; FILING DATE: 18-APR-1991
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/615,715
; FILING DATE: 20-NOV-1990
; CLASSIFICATION: 435
; APPLICATION NUMBER: US 07/510,706
; FILING DATE: 18-APR-1990 (ABANDONED)
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: PARKER, DAVID L.
; REGISTRATION NUMBER: 32,165
; REFERENCE/DOCKET NUMBER: UTSD:432/PAR
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (512) 418-3000
; TELEFAX: (713) 789-2679
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 437 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-429-964-3

Query Match 66.2%; Score 45; DB 2; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 1 VPGAECERAV 11
Db 420 VPGAECERAV 430

RESULT 4
US-07-935-087-3

Sequence 3, Application US/07935087
Patent No. 6083917
GENERAL INFORMATION:
APPLICANT: BROWN, MICHAEL S.
APPLICANT: GOLDSTEIN, JOSEPH L.
APPLICANT: REISS, YUVAL
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION,
TITLE OF INVENTION: CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/922,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSID:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-3

Query Match 66.2%; Score 45; DB 3; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||||| ||
DB 420 VPGAECEDAV 430

RESULT 5
PCT-US93-08062-3
Sequence 3, Application PC/TUS9308062
GENERAL INFORMATION:
APPLICANT:
SEQUENCE CHARACTERISTICS:
SEQUENCE CHARACTERISTICS: BROWN, MICHAEL S.
SEQUENCE CHARACTERISTICS: GOLDSTEIN, JOSEPH L.
SEQUENCE CHARACTERISTICS: REISS, YUVAL
SEQUENCE CHARACTERISTICS: MARSTERS, JR., JAMES C.
ADDRESSEE: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION,
ADDRESSEE: CHARACTERIZATION AND
ADDRESSEE: INHIBITION OF
ADDRESSEE: FARNESYLTRANSFERASE
NUMBER OF SEQUENCES: 71

CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: UNITED STATES OF AMERICA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK/ASKII
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/08062
FILING DATE: AUGUST 24, 1993
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/935,087
FILING DATE: 24 AUGUST 1992 (24.08.92)
NAME: UNKNOWN
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTPD377PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX: NOT APPLICABLE
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
PCT-US93-08062-3

Query Match 66.2%; Score 45; DB 5; Length 437;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAECERAV 11
||| ||||| ||
DB 420 VPGAECEDAV 430

RESULT 6
US-07-935-087-7
Sequence 7, Application US/07935087
Patent No. 6083917
GENERAL INFORMATION:
APPLICANT: BROWN, MICHAEL S.
APPLICANT: GOLDSTEIN, JOSEPH L.
APPLICANT: REISS, YUVAL
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR
THE IDENTIFICATION,
TITLE OF INVENTION: CHARACTERIZATION,
TITLE OF INVENTION: AND INHIBITION OF FARNESYL
TRANSFERASE
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1 (converted to ASCII-DOS)
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/07/935,087
FILING DATE: 19920824
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/822,011
FILING DATE: 01/16/92
ATTORNEY/AGENT INFORMATION:
NAME: PARKER, DAVID L.
REGISTRATION NUMBER: 32,165
REFERENCE/DOCKET NUMBER: UTSD:269/PAR
TELECOMMUNICATION INFORMATION:
TELEPHONE: 512-320-7200
TELEFAX: 512-474-7577
TELEX:
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 444 amino acid residues
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-07-935-087-7

Query Match 66.2%; Score 45; DB 3; Length 444;
Best Local Similarity 81.8%; Pred. No. 2.6;
Matches 9; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 VPGAEECERAV 11
1111111111
DB 420 VPGEECEQAV 430

RESULT 7
US-08-702-344-9
Sequence 9, Application US/08702344
Patent No. 5723315
GENERAL INFORMATION:
APPLICANT: Jacobs, Kenneth
APPLICANT: McCoy, John
APPLICANT: Lavaille, Edward
APPLICANT: Racie, Lisa
APPLICANT: Merberg, David
APPLICANT: Treacy, Maurice
TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES
TITLE OF INVENTION: ENCODING THEM
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genetics Institute, Inc.
STREET: 87 CambridgePark Drive
CITY: Cambridge
STATE: Massachusetts
COUNTRY: U.S.A.
ZIP: 02140
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/702,344
FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Brown, Scott A.
REGISTRATION NUMBER: 32,724
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 498-8224
TELEFAX: (617) 876-5851
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 229 amino acids
TYPE: amino acid

STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-702-344-9

Query Match 54.4%; Score 37; DB 1; Length 229;
Best Local Similarity 66.7%; Pred. No. 31;
Matches 6; Conservative 3; Mismatches 0; Indels 0; Gaps 0;

QY 4 AEECERAVI 12
1111111111
DB 6 AEECEQAV 14

RESULT 8
US-08-836-075A-18
Sequence 18, Application US/08836075A
Patent No. 6180768
GENERAL INFORMATION:
APPLICANT: MAERTENS, GEERT
APPLICANT: STUYVER, LIEVEN

TITLE OF INVENTION: NEW SEQUENCES OF HEPATITIS C VIRUS GENOTYPES
TITLE OF INVENTION: AND THEIR USE AS PROPHYLACTIC, THERAPEUTIC AND DIAGNOSTIC
NUMBER OF SEQUENCES: 207
CORRESPONDENCE ADDRESS:
ADDRESSEE: ARNOLD, WHITE & DURKEE
STREET: P.O. BOX 4433
CITY: HOUSTON
STATE: TEXAS
COUNTRY: USA
ZIP: 77210-4433

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft Word 6.0 / ASCII text output
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/836,075A
FILING DATE: 21 Apr 1997
PRIOR APPLICATION DATA: PCT/EP95/04155
APPLICATION NUMBER: 23 Oct 1995
FILING DATE: 23 Oct 1995
PRIOR APPLICATION DATA: EP 94870166.9
APPLICATION NUMBER: EP 94870166.9
FILING DATE: 21 Oct 1994
PRIOR APPLICATION DATA: EP 95870076.7
APPLICATION NUMBER: EP 95870076.7
FILING DATE: 28 Jun 1995
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29,775
REFERENCE/DOCKET NUMBER: INNS:004
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 319 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-836-075A-18

Query Match 50.0%; Score 34; DB 4; Length 319;
Best Local Similarity 60.0%; Pred. No. 1.5e+02;
Matches 6; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 1 VPGAEECERA 10
1111111111
DB 223 VPGCVPCERS 232

RESULT 9

Query Match 50.0%; Score 34; DB 2; Length 424;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 5 EECERAVI 12
|||||
Db 74 EECRAAVY 81

RESULT 12

US-08-871-267B-31
; Sequence 31, Application US/08871267B
; Patent No. 6100057
; GENERAL INFORMATION:
; APPLICANT: Elrod, Susan L.
; APPLICANT: Cherry, Joel R.
; TITLE OF INVENTION: A Method for Increasing Hemoprotein
; TITLE OF INVENTION: Production in Filamentous Fungi
; NUMBER OF SEQUENCES: 39
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 61000570 No. 6100057disk Of No. 6100057th America, Inc.
; STREET: 405 Lexington Avenue - 64th Fl.
; CITY: New York
; STATE: NY
; COUNTRY: USA
; ZIP: 10174
; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/871,267B
; FILING DATE: 9-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Rozek, Carol E.
; REGISTRATION NUMBER: 36,993
; REFERENCE/DOCKET NUMBER: 4771.200-US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-878-9652
; TELEFAX: 212-878-9655
; TELEX:
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 424 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6100057e
US-08-871-267B-31

Query Match 50.0%; Score 34; DB 3; Length 424;
Best Local Similarity 75.0%; Pred. No. 2e+02;
Matches 6; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

OY 5 EECERAVI 12
|||||
Db 74 EECRAAVY 81

RESULT 13

US-08-867-941-20
; Sequence 20, Application US/08867941
; Patent No. 5977337
; GENERAL INFORMATION:
; APPLICANT: Loosmore, Sheena M
; APPLICANT: Du, Run-Pan
; APPLICANT: Wang, QiuJun

APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
; NUMBER OF SEQUENCES: 67
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/867,941
; FILING DATE: 03-JUN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Stewart, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-681 MTS:jb
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 20:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 753 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-867-941-20

Query Match 50.0%; Score 34; DB 2; Length 753;
Best Local Similarity 77.8%; Pred. No. 3.6e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 4 AEECERAVI 12
|||||
Db 379 ANECERAPI 387

RESULT 14

US-09-074-658-20
; Sequence 20, Application US/09074658
; Patent No. 6184371
; GENERAL INFORMATION:
; APPLICANT: Loosmore, Sheena M
; APPLICANT: Run-Pan Du
; APPLICANT: QiuJun Wang
; APPLICANT: Yang, Yan-Ping
; APPLICANT: Klein, Michel H
; TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
; NUMBER OF SEQUENCES: 78
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6th Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/074,658
; FILING DATE: 08-MAY-1998
; CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael I
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: 1038-795
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1155
 TELEFAX: (416) 595-1163
 INFORMATION FOR SEQ ID NO: 20:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 753 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-074-658-20

Query Match 50.0%; Score 34; DB 4; Length 753;
 Best Local Similarity 77.8%; Pred. No. 3.6e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 AEECERAVI 12
 Db 379 ANECERAPI 387

RESULT 15
 US-08-867-941-13
 Sequence 13, Application US/08867941
 Patent No. 5977337
 GENERAL INFORMATION:
 APPLICANT: Loosmore, Sheena M
 APPLICANT: Du, Run-Pan
 APPLICANT: Wang, QiuJun
 APPLICANT: Yang, Yan-Ping
 APPLICANT: Klein, Michel H
 TITLE OF INVENTION: LACTOFERRIN RECEPTOR GENES OF MORAXELLA
 NUMBER OF SEQUENCES: 67
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Sim & McBurney
 STREET: 6th Floor, 330 University Avenue
 CITY: Toronto
 STATE: Ontario
 COUNTRY: Canada
 ZIP: M5G 1R7
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/867,941
 FILING DATE: 03-JUN-1997
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: Stewart, Michael I
 REGISTRATION NUMBER: 24,973
 REFERENCE/DOCKET NUMBER: 1038-681 MIS:jfb
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (416) 595-1155
 TELEFAX: (416) 595-1163
 INFORMATION FOR SEQ ID NO: 13:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 985 amino acids
 TYPE: amino acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-08-867-941-13

Query Match 50.0%; Score 34; DB 2; Length 985;
 Best Local Similarity 77.8%; Pred. No. 4.8e+02;
 Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 4 AEECERAVI 12
 Db 611 ANECERAPI 619

Search completed: May 23, 2001, 15:56:32
 Job time: 165 sec

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:31 ; Search time 109.73 Seconds
(without alignments)
1.751 Million cell updates/sec

Title: US-09-518-931-2_COPY_185_194
Perfect score: 55
Sequence: 1 GSSSHDRLCT 10

Scoring table:
BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA: *
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2: /cgn2_6/ptodata/2/1aa/3B_COMB.pep:*
3: /cgn2_6/ptodata/2/1aa/3A_COMB.pep:*
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5: /cgn2_6/ptodata/2/1aa/3C_COMB.pep:*
6: /cgn2_6/ptodata/2/1aa/3D_COMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	55	100.0	300	2	US-08-794-796-2
2	36	65.5	162	2	US-08-219-237B-7
3	36	65.5	277	4	US-09-042-785A-10
4	36	65.5	1245	1	US-08-158-232-8
5	36	65.5	1245	1	US-08-304-626-8
6	36	65.5	1245	2	US-08-611-928-8
7	36	65.5	1245	2	US-08-611-928-8
8	36	65.5	1245	2	US-08-611-928-8
9	35	63.6	283	5	PCR-US56-12374-2
10	35	63.6	401	4	US-08-974-022-6
11	35	63.6	401	4	US-09-042-785A-12
12	35	63.6	1205	1	US-07-808-245-2
13	35	63.6	1205	2	US-08-319-866-10
14	35	63.6	1205	4	US-09-123-708-6
15	35	63.6	1205	4	US-09-123-708-6
16	34	61.8	401	3	US-08-974-022-2
17	34	61.8	401	4	US-08-974-022-4
18	34	61.8	401	4	US-09-042-785A-13
19	34	61.8	1104	2	US-08-327-832-5
20	33	60.0	197	3	US-08-828-584-5
21	33	60.0	227	3	US-08-974-022-49
22	33	60.0	241	4	US-08-974-022-48
23	33	60.0	241	4	US-09-382-155-21
24	33	60.0	289	4	US-09-074-044A-21
25	33	60.0	461	4	US-09-042-785A-11
26	33	60.0	1455	2	US-08-726-012B-2
27	32	58.2	127	2	US-08-162-146-3

28	32	58.2	348	4	US-09-248-528-7	Sequence 7, Appl1
29	32	58.2	401	6	5252556-1	Patent No. 5252556
30	31	56.4	18	4	US-08-847-844A-50	Sequence 50, Appl1
31	31	56.4	39	1	US-08-050-319B-41	Sequence 41, Appl1
32	31	56.4	39	2	US-08-465-982-41	Sequence 41, Appl1
33	31	56.4	43	1	US-08-050-319B-34	Sequence 34, Appl1
34	31	56.4	43	2	US-08-465-982-34	Sequence 34, Appl1
35	31	56.4	103	3	US-08-946-329A-72	Sequence 72, Appl1
36	31	56.4	163	2	US-08-219-237B-5	Sequence 5, Appl1
37	31	56.4	164	2	US-08-232-087A-9	Sequence 41, Appl1
38	31	56.4	311	2	US-08-602-359A-41	Sequence 41, Appl1
39	31	56.4	461	1	US-08-385-229-2	Sequence 2, Appl1
40	31	56.4	461	2	US-08-650-000-2	Sequence 2, Appl1
41	31	56.4	461	6	5395760-2	Patent No. 5395760
42	31	56.4	486	1	US-08-243-010-1	Sequence 1, Appl1
43	31	56.4	543	3	US-08-385-229-4	Sequence 4, Appl1
44	31	56.4	543	3	US-09-199-229-2	Sequence 2, Appl1
45	31	56.4	543	4	US-09-443-087-2	Sequence 2, Appl1

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF INVENTIONS: 2
TITLE OF INVENTIONS: TR4
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 55; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. NO. 0.013;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1111111111
Db 185 GSSSHDTICT 194

RESULT 2

US-08-219-237B-7
Sequence 7, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 162 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-7

Query Match 65.5%; Score 36; DB 2; Length 162;
Best Local Similarity 60.0%; Pred. No. 16;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1:1 11:11
Db 71 GTSETDTICT 80

RESULT 3

US-09-042-785A-10
Sequence 10, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston

STATE: Massachusetts
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 277 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-10

Query Match 65.5%; Score 36; DB 4; Length 277;
Best Local Similarity 60.0%; Pred. No. 29;
Matches 6; Conservative 2; Mismatches 2; Indels 0; Gaps 0;

QY 1 GSSSHDTICT 10
1:1 11:11
Db 95 GTSETDTICT 104

RESULT 4

US-08-158-232-8
Sequence 8, Application US/08158232
Patent No. 5596071
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Uick, Heidi Jane
APPLICANT: Foncerra, Luis
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schwab, George E.
APPLICANT: Fu, Jenny
TITLE OF INVENTION: No. 5596071el Bacillus thuringiensis Toxins Active
AGAINST Hymenopteran Pests
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/158,232
FILING DATE:
CLASSIFICATION: 435

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS8603
IMMEDIATE SOURCE:
LIBRARY: LAMBDA GEM (tm) - 11 library
CLONE: 86Q3A
US-08-158-232-8

Query Match 65.5%; Score 36; DB 1; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 SSSHDTLCT 10
DB 773 SSSHDTLAT 781

RESULT 5
US-08-304-626-8
Sequence 8, Application US/08304626
Patent No. 5616495
GENERAL INFORMATION:
APPLICANT: Payne, Jewel M.
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Ulick, Heidi Jane
APPLICANT: Foncerrada, Luis
APPLICANT: Schnepf, Harry E.
APPLICANT: Schwab, George E.
TITLE OF INVENTION: No. 5616495el Bacillus thuringiensis Isolates
TITLE OF INVENTION: Active Against Hymenopteran Pests and Genes Encoding
NUMBER OF SEQUENCES: 39
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/304,626
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/887,980
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ 104
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
INDIVIDUAL ISOLATE: PS8603
IMMEDIATE SOURCE:
LIBRARY: LAMBDA GEM (tm) - 11 library
CLONE: 86Q3A
US-08-304-626-8

Query Match 65.5%; Score 36; DB 1; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

OY 2 SSSHDTLCT 10
DB 773 SSSHDTLAT 781

RESULT 6
US-08-611-928-8
Sequence 8, Application US/08611928
Patent No. 5824792
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Ulick, Heidi Jane
APPLICANT: Foncerrada, Luis
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schwab, George E.
APPLICANT: Fu, Jenny
TITLE OF INVENTION: No. 5824792el Bacillus thuringiensis Toxins Active
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/611,928
FILING DATE: 06-MAR-1996
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/158,232
FILING DATE: 24-NOV-1993
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
IMMEDIATE SOURCE: PS86Q3
LIBRARY: LAMBDAGEM (tm) - 11 library
CLONE: 86Q3A
US-08-611-928-8

Query Match 65.5%; Score 36; DB 2; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 SSSHDTICT 10
DB 773 SSEHDTLAT 781

RESULT 7
US-09-173-891-8
Sequence 8, Application US/09173891
Patent No. 6077937
GENERAL INFORMATION:
APPLICANT: Payne, Jewel
APPLICANT: Kennedy, M. Keith
APPLICANT: Randall, John Brooks
APPLICANT: Meier, Henry
APPLICANT: Dick, Heidi Jane
APPLICANT: Foncarrada, Luis
APPLICANT: Schnepf, H. Ernest
APPLICANT: Schwab, George E.
TITLE OF INVENTION: No. 6077937el Bacillus thuringiensis Toxins Active
TITLE OF INVENTION: Against Hymenopteran Pests
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESSEE: David R. Saliwanchik
STREET: 2421 N.W. 41st Street, Suite A-1
CITY: Gainesville
STATE: FL
COUNTRY: USA
ZIP: 32606
COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/173,891
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/158,232
FILING DATE:
APPLICATION NUMBER: US 07/887,980
FILING DATE: 22-MAY-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/797,645
FILING DATE: 25-NOV-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/703,977
FILING DATE: 22-MAY-1991
ATTORNEY/AGENT INFORMATION:
NAME: Saliwanchik, David R.
REGISTRATION NUMBER: 31,794
REFERENCE/DOCKET NUMBER: M/SCJ104.C1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 904-375-8100
TELEFAX: 904-372-5800
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 1245 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ANTI-SENSE: NO
ORIGINAL SOURCE:
ORGANISM: BACILLUS THURINGIENSIS
IMMEDIATE SOURCE: PS86Q3
LIBRARY: LAMBDAGEM (tm) - 11 library
CLONE: 86Q3A
US-09-173-891-8

Query Match 65.5%; Score 36; DB 3; Length 1245;
Best Local Similarity 77.8%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 2 SSSHDTICT 10
DB 773 SSEHDTLAT 781

RESULT 8
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 63.6%; Score 35; DB 5; Length 283;
Best Local Similarity 66.7%; Pred. No. 44;
Matches 6; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
1:11111
DB 154 GTESDPTLC 162

RESULT 9
US-08-974-022-6

; Sequence 6, Application US/08974022
; Patent No. 6013938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974.022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577.788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-974-022-6

Query Match 63.6%; Score 35; DB 3; Length 401;
Best Local Similarity 40.0%; Pred. No. 63;

Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
1:11111
DB 177 GNATHDNICS 186

RESULT 10
US-09-042-785A-12

; Sequence 12, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042.785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; US-09-042-785A-12

Query Match 63.6%; Score 35; DB 4; Length 401;
Best Local Similarity 40.0%; Pred. No. 63;
Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
1:11111
DB 177 GNATHDNICS 186

RESULT 11
US-07-908-245-2

; Sequence 2, Application US/07908245
; Patent No. 5498539
; GENERAL INFORMATION:
; APPLICANT: Harrison, David G.
; APPLICANT: Alexander, R. Wayne
; APPLICANT: Murphy, T.J.
; APPLICANT: Nishida, Ken'ichi
; TITLE OF INVENTION: Endothelial Nitric Oxide Synthase
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Kilpatrick & Cody

STREET: 1100 Peachtree Street, Suite 2800
CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/908,245
FILING DATE: 19920702
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Pabst, Patricia U.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: EMU 111
TELECOMMUNICATION INFORMATION:
TELEPHONE: 404-815-6508
TELEFAX: 404-815-6555
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1205 amino acids
TYPE: AMINO ACID
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: N-terminal
ORIGINAL SOURCE:
ORGANISM: Bovine
TISSUE TYPE: Aorta
CELL TYPE: Endothelial
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LOCATION: 496..512
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LOCATION:	602..603	/note= "Potential proline directed phosphorylation site"
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; OTHER INFORMATION: phosphorylation site"
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; NAME/KEY: Domain
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; OTHER INFORMATION: /note= "CAMP dependent
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; US-07-908-245-2

Query Match          63.6%; Score 35; DB 1; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 12
US-08-319-866-10
; Sequence 10, Application US/08319866
; Patent No. 5929223
; GENERAL INFORMATION:
; APPLICANT: Tully, Timothy P.
; APPLICANT: Yin, Jerry C.
; APPLICANT: Regulski, Michael
; TITLE OF INVENTION: CLONING AND CHARACTERIZATION OF GENES
; TITLE OF INVENTION: ASSOCIATED WITH LONG-TERM MEMORY
; NUMBER OF SEQUENCES: 24
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
; STREET: Two Militia Drive
; CITY: Lexington
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02173
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/319,866
; FILING DATE: 7-OCT-1994
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
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; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Granahan, Patricia
; REGISTRATION NUMBER: 32,227
; REFERENCE/DOCKET NUMBER: CSHL94-03
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617) 861-6240
; TELEFAX: (617) 861-9540
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1205 amino acids
; TYPE: amino acid
; STRANDEDNESS:
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-319-866-10

Query Match          63.6%; Score 35; DB 2; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 13
US-09-123-708-6
; Sequence 6, Application US/09123708
; Patent No. 6146887
; GENERAL INFORMATION:
; APPLICANT: SCHRAEDER, Juergen
; APPLICANT: GODECKE, Axel
; TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN GENE THERAPEUTIC
; TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
; FILE REFERENCE: 511169-2003
; CURRENT APPLICATION NUMBER: US/09/123,708
; CURRENT FILING DATE: 1998-07-28
; EARLIER APPLICATION NUMBER: 08/553,503
; EARLIER FILING DATE: 1996-03-01
; EARLIER APPLICATION NUMBER: P4411402.8
; EARLIER FILING DATE: 1994-03-31
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: Patentin Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1205
; TYPE: PRT
; ORGANISM: Cytomegalovirus
; US-09-123-708-6

Query Match          63.6%; Score 35; DB 4; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

QY 1 GSSSHDTLC 9
DB 79 GSITVDTLC 87

RESULT 14
US-09-123-624-6
; Sequence 6, Application US/09123624
; Patent No. 6149936
; GENERAL INFORMATION:
; APPLICANT: SCHRAEDER, Juergen
; APPLICANT: GODECKE, Axel
; TITLE OF INVENTION: DNA EXPRESSION VECTORS FOR USE IN THE GENE THERAPEUTIC
; TITLE OF INVENTION: TREATMENT OF VASCULAR DISORDERS
; FILE REFERENCE: 511169-2004
; CURRENT APPLICATION NUMBER: US/09/123,624
; CURRENT FILING DATE: 1998-07-28
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;; PRIOR FILING DATE: 1996-03-01
;; PRIOR APPLICATION NUMBER: 4411402.8
;; PRIOR FILING DATE: 1994-03-31
;; NUMBER OF SEQ ID NOS: 6
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 6
;; LENGTH: 1205
;; TYPE: PRT
;; ORGANISM: Bos taurus
US-09-123-624-6

Query Match 63.6%; Score 35; DB 4; Length 1205;
Best Local Similarity 66.7%; Pred. No. 2e+02;
Matches 6; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 9
11:11111
Db 79 GSITDTLC 87

RESULT 15
US-08-974-022-2
; Sequence 2, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winder, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-2

Query Match 61.8%; Score 34; DB 3; Length 401;
Best Local Similarity 40.0%; Pred. No. 95;
Matches 4; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

OY 1 GSSSHDTLC 10
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Db 177 GNATHDNVCS 186

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GenCore version 4.5
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OM protein - protein search, using sw model

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Post-processing: Minimum Match 0%
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	142	55.9	401 4 US-08-974-022-6	Sequence 13, Appli
5	140	55.1	401 4 US-08-974-022-8	Sequence 6, Appli
6	140	55.1	401 4 US-08-974-022-12	Sequence 12, Appli
7	136	53.5	163 2 US-08-219-237B-5	Sequence 5, Appli
8	136	53.5	164 2 US-08-232-087A-9	Sequence 9, Appli
9	136	53.5	227 3 US-08-974-022-48	Sequence 48, Appli
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18	126	49.6	474 6 US-09-042-785A-8	Sequence 8, Appli
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21	105	41.3	451 3 US-08-996-139-4	Sequence 4, Appli
22	105	41.3	451 3 US-08-996-139-2	Sequence 2, Appli
23	105	41.3	616 3 US-08-996-139-6	Sequence 6, Appli
24	104	40.7	277 4 US-09-042-785A-10	Sequence 10, Appli
25	103.5	39.0	283 5 PCT-US96-12374-2	Sequence 2, Appli
26	99	39.0	573 4 US-09-042-785A-2	Sequence 2, Appli
27	97	38.2	162 2 US-08-219-237B-7	Sequence 7, Appli

28	97	38.2	625 3 US-08-996-139-15	Sequence 15, Appli
29	94.5	37.2	197 2 US-08-505-606-1	Sequence 1, Appli
30	93	36.6	253 4 US-09-042-785A-4	Sequence 4, Appli
31	93	36.6	277 2 US-08-147-784-2	Sequence 2, Appli
32	93	36.6	605 4 US-09-042-785A-23	Sequence 23, Appli
33	93	36.6	655 3 US-08-959-382-2	Sequence 2, Appli
34	90	35.4	228 4 US-08-911-423-6	Sequence 6, Appli
35	90	35.4	241 4 US-08-911-423-4	Sequence 4, Appli
36	90	35.4	311 4 US-08-219-237B-8	Sequence 8, Appli
37	89	35.0	139 2 US-08-219-237B-8	Sequence 8, Appli
38	89	35.0	205 3 US-08-974-022-51	Sequence 51, Appli
39	87.5	34.4	159 2 US-08-219-237B-6	Sequence 6, Appli
40	87.5	34.4	224 3 US-08-974-022-50	Sequence 50, Appli
41	87	34.3	186 1 US-08-089-458B-6	Sequence 6, Appli
42	86.5	34.1	159 2 US-08-232-087A-11	Sequence 11, Appli
43	86	33.9	206 1 US-08-097-827-7	Sequence 7, Appli
44	86	33.9	206 1 US-08-494-574-7	Sequence 7, Appli
45	86	33.9	438 1 US-08-097-827-11	Sequence 11, Appli

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800

GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Smithkline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 100.0%; Score 254; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 4.1e-19;
Matches 44; Conservative 0; Mismatches 0; Indels 0; Caps 0;

OY 1 CPPGAGVIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 132 CPPGAGVIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 175

RESULT 2

US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive
City: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 55.9%; Score 142; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Caps 0;

OY 1 CPPGAGVIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 124 CPPGLVLAQGTPERTVCKKCPDGFSGTSSKAPCRKHTNCS 167

RESULT 3

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive

CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match 55.9%; Score 142; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Caps 0;

OY 1 CPPGAGVIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 44
DB 124 CPPGAGVIAPCTPSQNTCCPCPGTFSASSSSSECCQPHRNC 167

RESULT 4

US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-13

Query Match 55.9%; Score 142; DB 4; Length 401;
Best Local Similarity 52.3%; Pred. No. 1.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGAGVIAAGTPTSONTCQPCPGTFSSSSSEOCQPHRNCT 44
DB 124 CPGGSGVQAGTPTERTVCKKCPDGFSSSKAPCRKHTNCS 167

RESULT 5

US-08-974-022-6
Sequence 6; Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: BOYLE, WILLIAM J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Mang-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavenland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ. ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-6

Query Match 55.1%; Score 140; DB 3; Length 401;
Best Local Similarity 52.3%; Pred. No. 2.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGAGVIAAGTPTSONTCQPCPGTFSSSSSEOCQPHRNCT 44
DB 124 CPGGSGVQAGTPTERTVCKKCPDGFSSSKAPCRKHTNCS 167

RESULT 6

US-09-042-785A-12
Sequence 12; Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ. ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 55.1%; Score 140; DB 4; Length 401;
Best Local Similarity 52.3%; Pred. No. 2.5e-07;
Matches 23; Conservative 6; Mismatches 15; Indels 0; Gaps 0;

QY 1 CPGAGVIAAGTPTSONTCQPCPGTFSSSSSEOCQPHRNCT 44
DB 124 CPGGSGVQAGTPTERTVCKKCPDGFSSSKAPCRKHTNCS 167

RESULT 7

US-08-219-237B-5
Sequence 5; Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-2378-5

Query Match 53.5%; Score 136; DB 2; Length 163;
Best Local Similarity 51.2%; Pred. No. 2.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPGTPSONTCQCPGPTFSASSSSSEOCQPHRNC 43
Db 105 CRPGGVARPGTETSDVYCKRCAPGTFSNTSTSDICRPHQIC 147

RESULT 8
US-08-232-087A-9
Sequence 9, Application US/08232087A
Patent No. 5866372
GENERAL INFORMATION:
APPLICANT: Stein, Harald
APPLICANT: D Ikop, Horst
APPLICANT: Latza, Ute
TITLE OF INVENTION: Lymphoid CD30-Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
STREET: 8110 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22042
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,087A
FILING DATE: 08-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 756-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
TELEX: 248345
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 164 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Protein
LOCATION: 1..164

OTHER INFORMATION: /note="TNFR2, see Fig. 5"
US-08-232-087A-9

Query Match 53.5%; Score 136; DB 2; Length 164;
Best Local Similarity 51.2%; Pred. No. 2.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPGTPSONTCQCPGPTFSASSSSSEOCQPHRNC 43
Db 106 CRPGGVARPGTETSDVYCKRCAPGTFSNTSTSDICRPHQIC 148

RESULT 9
US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Amgen Inc.
STREET: 1840 Denavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 53.5%; Score 136; DB 3; Length 227;
Best Local Similarity 51.2%; Pred. No. 3.5e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

OY 1 CPPGAGVIAPGTPSONTCQCPGPTFSASSSSSEOCQPHRNC 43
Db 143 CRPGGVARPGTETSDVYCKRCAPGTFSNTSTSDICRPHQIC 185

RESULT 10
US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.
APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent

;; TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
;;
;; NUMBER OF SEQUENCES: 5
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Immunex Corporation
;; STREET: 51 University Street
;; CITY: Seattle
;; STATE: Washington
;; COUNTRY: U.S.A.
;; ZIP: 98101
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentin Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/385,229
;; FILING DATE:
;; CLASSIFICATION: 435
;; PRIORITY INFORMATION:
;; APPLICATION NUMBER: US/07/946,236
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2503
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 587-0606
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
;; US-08-385-229-2

Query Match 53.5%; Score 136; DB 1; Length 461;
Best Local Similarity 51.2%; Pred. No. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTSPONTQCPGPGTFSASSSSSECCOPHRNC 43
DB 143 CRGFGVARGTETSDVCKPCAGTFSNTSTDCIRPHQIC 185

RESULT 11
US-08-650-000-2
; Sequence 2, Application US/08650000
; Patent No. 5945397
; GENERAL INFORMATION:
; APPLICANT: Smith, Craig A.
; APPLICANT: Goodwin, Raymond G.
; APPLICANT: Beckmann, M. Patricia
; TITLE OF INVENTION: Tumor Necrosis Factor Receptors
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Immunex Corporation
; STREET: 51 University Street
; CITY: Seattle
; STATE: Washington
; COUNTRY: U.S.A.
; ZIP: 98101
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/650,000
; FILING DATE:
; CLASSIFICATION: 435
; PRIORITY INFORMATION:
; APPLICATION DATA:

;; APPLICATION NUMBER: US/08/468,453
;; FILING DATE:
;; APPLICATION NUMBER: US/08/038,765
;; FILING DATE:
;; APPLICATION NUMBER: US 403,241
;; FILING DATE: 05-SEP-1989
;; PRIORITY INFORMATION:
;; APPLICATION NUMBER: US 405,370
;; FILING DATE: 11-SEP-1989
;; PRIORITY INFORMATION:
;; APPLICATION NUMBER: US 421,417
;; FILING DATE: 13-OCT-1989
;; PRIORITY INFORMATION:
;; APPLICATION NUMBER: US 523,635
;; FILING DATE: 10-MAY-1990
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Wight, Christopher L.
;; REGISTRATION NUMBER: 31,680
;; REFERENCE/DOCKET NUMBER: 2501-D
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (206) 587-0430
;; TELEFAX: (206) 233-0644
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 461 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
;; US-08-650-000-2

Query Match 53.5%; Score 136; DB 2; Length 461;
Best Local Similarity 51.2%; Pred. No. 7.3e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;

QY 1 CPGGAGVIAGTSPONTQCPGPGTFSASSSSSECCOPHRNC 43
DB 143 CRGFGVARGTETSDVCKPCAGTFSNTSTDCIRPHQIC 185

RESULT 12
US-09-042-785A-7
; Sequence 7, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIORITY INFORMATION:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragoras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400


```

; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 518 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-385-229-4

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Query Match          53.5%; Score 136; DB 1; Length 518;
Best Local Similarity 51.2%; Pred. No. 8.2e-07;
Matches 22; Conservative 9; Mismatches 12; Indels 0; Gaps 0;
Oy 1 CPPGAGVIAPTPSONTOCPCPPGTFSSASSSSSECCOPHRNC 43
    | | | | | | | | | | | | | | | | | | | | | |
Db 172 CRPGGVARPGTETSDVYCKPCAPGTFSTNTSTDICRPHQIC 214

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OM protein - protein search, using sw model

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10,680 Million cell updates/sec

Title: US-09-518-931-2_COPY_57_117

Perfect score: 371
Sequence: 1 FVGRPCRRSRPTTCGRCPPR.....REERARACHATHNRACRRT 61

Scoring table: BLOSUM62

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Searched: 185757 seqs, 19210857 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	371	100.0	300	2	US-08-794-796-2
2	147	39.6	401	3	US-08-974-022-6
3	147	39.6	401	4	US-09-042-785A-12
4	138	37.2	401	3	US-08-974-022-4
5	138	37.2	401	4	US-09-042-785A-13
6	135	36.4	401	3	US-08-974-022-2
7	130	35.0	163	2	US-08-219-237B-5
8	128	34.5	120	3	US-08-974-022-42
9	128	34.5	164	2	US-08-232-087A-9
10	128	34.5	227	3	US-08-974-022-48
11	128	34.5	461	1	US-08-385-229-2
12	128	34.5	461	2	US-08-650-000-2
13	128	34.5	461	2	US-09-042-785A-7
14	128	34.5	461	6	5395760-2
15	128	34.5	486	1	US-08-243-010-1
16	128	34.5	518	1	US-08-385-229-4
17	126	34.0	474	2	US-08-650-000-4
18	126	34.0	474	4	US-09-042-785A-8
19	126	34.0	474	6	5395760-4
20	119	32.1	355	1	US-08-292-549-6
21	106	28.6	207	3	US-08-974-022-47
22	106	28.6	325	1	US-08-292-549-2
23	106	28.6	325	4	US-09-042-785A-9
24	106	28.6	325	5	PCT-US91-02207-2
25	103.5	27.9	197	2	US-08-505-606-1
26	97	26.1	326	1	US-08-292-549-4
27	97	26.1	326	5	PCT-US91-02207-4

28	96	25.9	277	2	US-08-147-784-2	Sequence 2, Appl
29	91	24.5	42	1	US-08-050-319B-32	Sequence 32, Appl
30	91	24.5	42	2	US-08-465-962-32	Sequence 32, Appl
31	90.5	24.4	283	5	PCT-US96-12374-2	Sequence 2, Appl
32	88	23.7	139	2	US-08-219-237B-8	Sequence 8, Appl
33	88	23.7	205	3	US-08-974-022-51	Sequence 51, Appl
34	87.5	23.6	440	3	US-08-883-036A-2	Sequence 2, Appl
35	86.5	23.3	186	1	US-08-089-458B-6	Sequence 6, Appl
36	86	23.2	253	4	US-09-042-785A-4	Sequence 4, Appl
37	86	23.2	605	4	US-09-042-785A-23	Sequence 23, Appl
38	86	23.2	655	3	US-08-959-382-2	Sequence 2, Appl
39	85.5	23.0	327	4	US-09-290-640-66	Sequence 66, Appl
40	83	22.4	206	1	US-08-097-827-7	Sequence 7, Appl
41	83	22.4	206	1	US-08-494-574-7	Sequence 7, Appl
42	83	22.4	438	1	US-08-097-827-11	Sequence 11, Appl
43	83	22.4	438	1	US-08-494-574-11	Sequence 11, Appl
44	79.5	21.4	119	2	US-08-219-237B-3	Sequence 3, Appl
45	79.5	21.4	219	3	US-08-974-022-45	Sequence 45, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794.796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: CH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 371; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 2.1e-32;
Matches 61; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 FVOPCRBDSPTTCGPPPHRYTOFMNVLERCRCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 57 FVOPCRBDSPTTCGPPPHRYTOFMNVLERCRCNVLCGEREEARACHATHNRACRCR 116

OY 61 T 61
Db 117 T 117

RESULT 2

US-08-974-022-6
Sequence 6, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amgen Inc.

STREET: 1840 Dehavenland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,022

FILING DATE: 12-DEC-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.

REFERENCE/DOCKET NUMBER: A-378

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-974-022-6

Query Match 39.6%; Score 147; DB 3; Length 401;

Best Local Similarity 35.0%; Pred. No. 1.7e-08;
Matches 21; Conservative 13; Mismatches 26; Indels 0; Gaps 0;

OY 1 FVOPCRBDSPTTCGPPPHRYTOFMNVLERCRCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 49 YLKHCTAKWKTYCACPDPHYTDSNHTSDCLCYSPVCKELOYVQECNRTNRYCCECK 108

RESULT 3

US-09-042-785A-12
Sequence 12, Application US/09042785A
Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J

TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY

NUMBER OF SEQUENCES: 31

CORRESPONDENCE ADDRESS:

ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street

CITY: Boston

STATE: Massachusetts

COUNTRY: USA

ZIP: 02109

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/042,785A

FILING DATE: 17-MAR-1998

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/938,896

FILING DATE: 26-SEP-1997

ATTORNEY/AGENT INFORMATION:

NAME: Mandragoras, Amy E

REGISTRATION NUMBER: 36,207

REFERENCE/DOCKET NUMBER: MEI-001CP

TELECOMMUNICATION INFORMATION:

TELEPHONE: (617)227-7400

TELEFAX: (617)742-4214

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 401 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

FRAGMENT TYPE: Internal

US-09-042-785A-12

Query Match 39.6%; Score 147; DB 4; Length 401;

Best Local Similarity 35.0%; Pred. No. 1.7e-08;
Matches 21; Conservative 13; Mismatches 26; Indels 0; Gaps 0;

OY 1 FVOPCRBDSPTTCGPPPHRYTOFMNVLERCRCNVLCGEREEARACHATHNRACRCR 60
|||||

Db 49 YLKHCTAKWKTYCACPDPHYTDSNHTSDCLCYSPVCKELOYVQECNRTNRYCCECK 108

RESULT 4

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.

APPLICANT: Lacey, David L.

APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi

TITLE OF INVENTION: OSTEOPROTEGERIN

NUMBER OF SEQUENCES: 53

CORRESPONDENCE ADDRESS:

ADDRESSEE: Amgen Inc.

STREET: 1840 Dehavenland Drive

CITY: Thousand Oaks

STATE: California

COUNTRY: USA

ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/974,022

FILING DATE: 12-DEC-1995

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/577,788

FILING DATE:

ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-4

Query Match 37.2%, Score 138; DB 3; Length 401;
Best Local Similarity 35.6%, Pred. No. 1.5e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

OY 1 FVQRCRSDPTTCGPPRRHYTOFWNYLERCYCNVLGGEREEARACHATHNRACRC 59
DB 49 YLKQHCYTRRKTLCVPCPDHSTYDSMHTSDCCVYCSPYCKELQSVKQBCNRTNHNVCCEC 107

RESULT 5
US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-13

Query Match 37.2%, Score 138; DB 4; Length 401;
Best Local Similarity 35.6%, Pred. No. 1.5e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

OY 1 FVQRCRSDPTTCGPPRRHYTOFWNYLERCYCNVLGGEREEARACHATHNRACRC 59
DB 49 YLKQHCYTRRKTLCVPCPDHSTYDSMHTSDCCVYCSPYCKELQSVKQBCNRTNHNVCCEC 107

RESULT 6
US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-2

Query Match 36.4%, Score 135; DB 3; Length 401;
Best Local Similarity 35.6%, Pred. No. 3.1e-07;
Matches 21; Conservative 11; Mismatches 27; Indels 0; Gaps 0;

OY 1 FVQRCRSDPTTCGPPRRHYTOFWNYLERCYCNVLGGEREEARACHATHNRACRC 59
DB 49 YLKQHCYTRRKTLCVPCPDHSTYDSMHTSDCCVYCSPYCKELQSVKQBCNRTNHNVCCEC 107

RESULT 7
US-08-219-237B-5
Sequence 5, Application US/08219237B
Patent No. 5874546
GENERAL INFORMATION:
APPLICANT: NAGATA, Shigekazu
APPLICANT: ITOH, Naoto
APPLICANT: YONEHARA, Shin
TITLE OF INVENTION: DNA Coding for Human Cell Surface Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: James W. Hellwege
STREET: P.O. Box 2266 Eads Station
CITY: Arlington
STATE: Virginia
COUNTRY: USA
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/219,237B
FILING DATE: 28-MAR-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/872,129
FILING DATE: 22-APR-1992
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: James W. Hellwege
REGISTRATION NUMBER: 28,808
REFERENCE/DOCKET NUMBER: 516762
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-219-237B-5

Query Match 35.0%; Score 130; DB 2; Length 163;
Best Local Similarity 38.2%; Pred. No. 4.5e-07;
Matches 21; Conservative 6; Mismatches 28; Indels 0; Gaps 0;

QY 6 CRDSDPTGCGPCPPRHVYTOFWNLERCRCNVLCGGEERERACHATHNACRCR 60
DB 29 CRTSDPTVDCSDSDSYTDTLMNVPPECLSGSRCSDDOVETQACTREONRRICTCR 83

RESULT 8
US-08-974-022-42
Sequence 42, Application US/08974022
Patent No. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 120 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-42

Query Match 34.5%; Score 128; DB 3; Length 120;
Best Local Similarity 38.2%; Pred. No. 5.4e-07;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRDSDPTGCGPCPPRHVYTOFWNLERCRCNVLCGGEERERACHATHNACRCR 60
DB 47 CRTSDPTVDCSDSDSYTDTLMNVPPECLSGSRCSDDOVETQACTREONRRICTCR 101

RESULT 9
US-08-232-087A-9
Sequence 9, Application US/08232087A
Patent No. 5866372
GENERAL INFORMATION:
APPLICANT: Stein, Harold
APPLICANT: D Rkop, Horst
APPLICANT: Latza, Ute
TITLE OF INVENTION: Lymphoid CD30-Antigen
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: Birch, Stewart, Kolasch & Birch, LLP
STREET: 810 Gatehouse Road, Suite 500 East
CITY: Falls Church
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22042
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/232,087A
FILING DATE: 08-SEP-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Murphy Jr., Gerald M.
REGISTRATION NUMBER: 28,977
REFERENCE/DOCKET NUMBER: 756-103P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 205-8000
TELEFAX: (703) 205-8050
TELEX: 248345
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 164 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
FRAGMENT TYPE: Internal
FEATURE:
NAME/KEY: Protein
LOCATION: 1..164
OTHER INFORMATION: /note="TNFR2, see Fig. 5"
US-08-232-087A-9

Query Match 34.5%; Score 128; DB 2; Length 164;
Best Local Similarity 38.2%; Pred. No. 7.3e-07;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRDSDPTGCGPCPPRHVYTOFWNLERCRCNVLCGGEERERACHATHNACRCR 60
DB 30 CRTSDPTVDCSDSDSYTDTLMNVPPECLSGSRCSDDOVETQACTREONRRICTCR 84

RESULT 10
US-08-974-022-48
Sequence 48, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 34.5%; Score 128; DB 3; Length 227;
Best Local Similarity 38.2%; Pred. No. 1e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRRDPTTGGPCPRHYTQFMWYLCRCYCNVLCGEREEARACHTHRACR 60
DB 67 CRTSDTVCDSCEDSTYTLQMMWPECLSGSRCSDDVETQACTREQNRICR 121

RESULT 11
US-08-385-229-2
Sequence 2, Application US/08385229
Patent No. 5605690
GENERAL INFORMATION:
APPLICANT: Jacobs, Cindy A.
APPLICANT: Smith, Craig A.
TITLE OF INVENTION: Method of Treating TNF-Dependent
TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/385,229
FILING DATE:

CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/946,236
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2503
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 587-0606
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-385-229-2

Query Match 34.5%; Score 128; DB 1; Length 461;
Best Local Similarity 38.2%; Pred. No. 2e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

QY 6 CRRDPTTGGPCPRHYTQFMWYLCRCYCNVLCGEREEARACHTHRACR 60
DB 67 CRTSDTVCDSCEDSTYTLQMMWPECLSGSRCSDDVETQACTREQNRICR 121

RESULT 12
US-08-650-000-2
Sequence 2, Application US/08650000
Patent No. 5943397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE: 05-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE:
APPLICATION NUMBER: US 421,417
FILING DATE: 11-SEP-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE: 13-OCT-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE: 10-MAY-1990
ATTORNEY/AGENT INFORMATION:
NAME: Wight, Christopher L.

REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2501-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 587-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-650-000-2

Query Match 34.5%; Score 128; DB 2; Length 461;
Best Local Similarity 38.2%; Pred. No. 2e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

OY 6 CRSDPTTCGCPRRHTQFWNIYERCRVCNVLCGEREEERACHATHNRACR 60
DB 67 CTKTSDTVCDSCEDSTYTQLMNWPBCLSCGSSCSDQVETOACTRBNRICTOR 121

RESULT 13

US-09-042-785A-7
Sequence 7, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREOF
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
City: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-7

Query Match 34.5%; Score 128; DB 4; Length 461;
Best Local Similarity 38.2%; Pred. No. 2e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

OY 6 CRSDPTTCGCPRRHTQFWNIYERCRVCNVLCGEREEERACHATHNRACR 60
DB 67 CTKTSDTVCDSCEDSTYTQLMNWPBCLSCGSSCSDQVETOACTRBNRICTOR 121

DB 67 CTKTSDTVCDSCEDSTYTQLMNWPBCLSCGSSCSDQVETOACTRBNRICTOR 121

RESULT 14
5395760-2
Patent No. 5395760
APPLICANT: SMITH, CRAIG A.; GOODMAN, RAYMOND G.; BECKMANN,
M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR- α AND
B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO: 2
LENGTH: 461

5395760-2

Query Match 34.5%; Score 128; DB 6; Length 461;
Best Local Similarity 38.2%; Pred. No. 2e-06;
Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

OY 6 CRSDPTTCGCPRRHTQFWNIYERCRVCNVLCGEREEERACHATHNRACR 60
DB 67 CTKTSDTVCDSCEDSTYTQLMNWPBCLSCGSSCSDQVETOACTRBNRICTOR 121

RESULT 15

US-08-243-010-1
Sequence 1, Application US/08243010
Patent No. 5639597
GENERAL INFORMATION:
APPLICANT: Lauffer, Leander
APPLICANT: Zettlmeissel, Gerd
APPLICANT: Ogundo, Patricia
TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
TITLE OF INVENTION: Production and Use Thereof
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
Dunner
STREET: 1300 I Street, N.W.
City: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/243,010
FILING DATE: 13-MAY-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/798,564
FILING DATE: 26-NOV-1991
APPLICATION NUMBER: DE P 40 37 837.3
FILING DATE: 28-NOV-1990
ATTORNEY/AGENT INFORMATION:
NAME: Elnaudt, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481-1132-00000
TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 486 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-243-010-1

Query Match 34.5%; Score 128; DB 1; Length 486;
 Best Local Similarity 38.2%; Pred No. 2, 1e-06;
 Matches 21; Conservative 5; Mismatches 29; Indels 0; Gaps 0;

Qy 6 CRDSEPTGCPGPPRHYTFWNYLERCRYCNVLGGEREEPARACHATHNRACR 60
 I : I
 Db 67 CTKTSDTVCDSCDSSTVYTOLMNMVPECLSGSRCSDDVETQACTREQNRICTCR 121

Search completed: May 23, 2001, 15:56:30
 Job time: 163 sec

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GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:29 ; Search time 109.73 Seconds
(without alignments)
2.801 Million cell updates/sec

Title: US-09-518-931-2_COPY_31_46

Perfect score: 92

Sequence: 1 AETPTYPWRDAETGER 16

Scoring table: BLOSUM62

Searched: Gapop 10.0 , Gapext 0.5

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database : Issued Patents_AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/6C.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	92	100.0	300	2	US-08-794-796-2
2	47	51.1	775	2	US-08-966-388-4
3	47	51.1	775	3	US-09-188-403-4
4	47	51.1	775	4	US-09-188-404-4
5	47	51.1	775	4	US-09-281-259-4
6	45	48.9	7257	4	US-09-335-409-5
7	43.5	47.3	1421	4	US-09-335-409-2
8	41	44.6	797	2	US-08-663-566A-2
9	41	44.6	797	2	US-08-023-610-2
10	41	44.6	797	2	US-08-288-065A-2
11	41	44.6	797	2	US-08-362-240A-2
12	41	44.6	797	5	PCR-US95-10245-2
13	40	43.5	268	1	US-08-440-103-29
14	40	43.5	268	1	US-08-440-103-30
15	40	43.5	268	1	US-08-440-103-29
16	40	43.5	268	1	US-08-440-542-29
17	40	43.5	268	1	US-08-440-542-30
18	40	43.5	268	1	US-08-231-368-29
19	40	43.5	268	1	US-08-231-368-30
20	40	43.5	268	1	US-08-440-210-29
21	40	43.5	269	1	US-08-440-103-16
22	40	43.5	269	1	US-08-440-542-16
23	40	43.5	269	1	US-08-231-368-16
24	40	43.5	269	1	US-08-440-210-16
25	40	43.5	402	1	US-08-460-806-2
26	40	43.5	402	1	US-08-325-630-2
27	39	42.4	922	4	US-09-141-206-6

28	39	42.4	932	3	US-08-968-752B-6	Sequence 6, Appl
29	39	42.4	933	4	US-09-141-206-2	Sequence 2, Appl
30	39	42.4	1003	3	US-08-851-843A-217	Sequence 217, App
31	39	42.4	1003	4	US-08-974-548A-336	Sequence 336, App
32	39	42.4	1156	4	US-08-996-083-1	Sequence 1, Appl
33	38	41.3	242	1	US-08-289-699A-6	Sequence 6, Appl
34	38	41.3	242	2	US-08-878-283-6	Sequence 6, Appl
35	38	41.3	244	1	US-08-289-699A-3	Sequence 3, Appl
36	38	41.3	244	2	US-08-878-283-3	Sequence 3, Appl
37	38	41.3	1832	4	US-09-335-409-4	Sequence 4, Appl
38	38	41.3	2439	4	US-09-335-409-7	Sequence 7, Appl
39	38	41.3	3798	4	US-09-335-409-6	Sequence 6, Appl
40	37	40.2	402	1	US-08-460-806-9	Sequence 9, Appl
41	37	40.2	402	1	US-08-460-806-11	Sequence 11, Appl
42	37	40.2	402	1	US-08-325-630-9	Sequence 9, Appl
43	37	40.2	402	1	US-08-325-630-11	Sequence 11, Appl
44	37	40.2	480	1	US-08-440-103-18	Sequence 18, Appl
45	37	40.2	480	1	US-08-440-542-18	Sequence 18, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 585800
GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor,
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION NUMBER:
; APPLICATION NUMBER:
; FILING DATE:
ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
Query Match 100.0%; Score 92; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 2.3e-07;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AEPPTYPMRDATGE 16
| | | | | | | | | | | | | | | |
Db 31 AEPPTYPMRDATGE 46

RESULT 2

US-08-966-388-4

; Sequence 4, Application US/08966388

; Patent No. 5965412

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

; APPLICANT: Michio KUBOTA

; APPLICANT: Hiroto CHAEN

; APPLICANT: Toshio MIYAKE

; TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: BROWDY AND NEIMARK

; STREET: 419 Seventh Street, N.W., Suite 300

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: Patent in Release #1.0, Version #1.30

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/966,388

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION NUMBER: JP 311,235/1996

; FILING DATE: 8-NOV-1996

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 61,710/97

; FILING DATE: 3-MAR-1997

; ATTORNEY/AGENT INFORMATION:

; NAME: BROWDY, Roger L.

; REGISTRATION NUMBER: 25,618

; REFERENCE/DOCKET NUMBER:

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 202-628-5197

; TELEFAX: 202-737-3528

; TELEX: 248633

; INFORMATION FOR SEQ. ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 775 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; US-08-966-388-4

Query Match 51.1%; Score 47; DB 2; Length 775;
Best Local Similarity 70.0%; Pred. No. 9.2;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

OY 6 YPMRDATGE 15
| | | | | | | | | | | | | | | |
Db 407 YPMESADTGE 416

RESULT 3

US-09-188-403-4

; Sequence 4, Application US/09188403

; Patent No. 6066477

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

APPLICANT: Michio KUBOTA
APPLICANT: Hiroto CHAEN
APPLICANT: Toshio MIYAKE
TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESSES:

ADDRESSEE: BROWDY AND NEIMARK

STREET: 419 Seventh Street, N.W., Suite 300

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20004

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patent in Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/188,403

FILING DATE:

CLASSIFICATION:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/966,388

FILING DATE:

PRIOR APPLICATION DATA:

APPLICATION NUMBER: JP 61,710/97

FILING DATE: 3-MAR-1997

ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.

REGISTRATION NUMBER: 25,618

REFERENCE/DOCKET NUMBER:

TELECOMMUNICATION INFORMATION:

TELEPHONE: 202-628-5197

TELEFAX: 202-737-3528

TELEX: 248633

INFORMATION FOR SEQ. ID NO: 4:

SEQUENCE CHARACTERISTICS:

LENGTH: 775 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: peptide

US-09-188-403-4

OY 6 YPMRDATGE 15
| | | | | | | | | | | | | | | |
Db 407 YPMESADTGE 416

RESULT 4

US-09-188-404-4

; Sequence 4, Application US/09188404

; Patent No. 6140487

; GENERAL INFORMATION:

; APPLICANT: TOMOYUKI NISHIMOTO

; APPLICANT: Michio KUBOTA

; APPLICANT: Hiroto CHAEN

; APPLICANT: Toshio MIYAKE

; TITLE OF INVENTION: KOJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESSES:

; ADDRESSEE: BROWDY AND NEIMARK

; STREET: 419 Seventh Street, N.W., Suite 300

; CITY: Washington

; STATE: D.C.

; COUNTRY: USA

; ZIP: 20004

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/198,404
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/966,388
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 61,710/97
FILING DATE: 3-MAR-1997
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 775 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-188-404-4

Query Match
Best Local Similarity 51.1%; Score 47; DB 4; Length 775;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPWRDAETGE 15
||| |
DB 407 YPESADTGE 416

RESULT 5
US-09-281-259-4
Sequence 4, Application US/09281259
Patent No. 6204377
GENERAL INFORMATION:
APPLICANT: TOMOYUKI NISHIMOTO
APPLICANT: MICHIO KOBOTA
APPLICANT: HIROTO CHAEN
APPLICANT: TOSHIO MIYAKE
TITLE OF INVENTION: KOUJIBIOSE PHOSPHORYLASE, ITS PREPARATION AND USES
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NETMARK
STREET: 419 Seventh Street, N.W., Suite 300
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/281,259
FILING DATE:
CLASSIFICATION:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/966,388
FILING DATE:
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: JP 61,710/97
FILING DATE: 3-MAR-1997
ATTORNEY/AGENT INFORMATION:

NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
TELEX: 248633
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 775 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-281-259-4

Query Match
Best Local Similarity 51.1%; Score 47; DB 4; Length 775;
Matches 7; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

QY 6 YPWRDAETGE 15
||| |
DB 407 YPESADTGE 416

RESULT 6
US-09-335-409-5
Sequence 5, Application US/09335409
Patent No. 6121029
GENERAL INFORMATION:
APPLICANT: Schupp, Thomas
APPLICANT: Ligon, James
APPLICANT: Molnar, Istvan
APPLICANT: Zirkle, Ross
APPLICANT: Cyr, Devon
APPLICANT: Goerlach, Joern
TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
FILE REFERENCE: 4-30582A
CURRENT APPLICATION NUMBER: US/09/335,409
CURRENT FILING DATE: 1999-06-17
NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patent In Ver. 2.0
SEQ ID NO 5
LENGTH: 7257
TYPE: PRT
ORGANISM: Sorangium cellulosum
US-09-335-409-5

Query Match
Best Local Similarity 48.9%; Score 45; DB 4; Length 7257;
Matches 9; Conservative 1; Mismatches 1; Indels 6; Gaps 1;

QY 4 PTPWNR-----DAETG 14
|||||
DB 5968 PTPWQRRYWDAPTG 5984

RESULT 7
US-09-335-409-2
Sequence 2, Application US/09335409
Patent No. 6121029
GENERAL INFORMATION:
APPLICANT: Schupp, Thomas
APPLICANT: Ligon, James
APPLICANT: Molnar, Istvan
APPLICANT: Zirkle, Ross
APPLICANT: Cyr, Devon
APPLICANT: Goerlach, Joern
TITLE OF INVENTION: GENES FOR THE BIOSYNTHESIS OF EPOTHILONES
FILE REFERENCE: 4-30582A
CURRENT APPLICATION NUMBER: US/09/335,409
CURRENT FILING DATE: 1999-06-17

NUMBER OF SEQ ID NOS: 30
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 1421
TYPE: PRP
ORGANISM: Sorangium cellulosum
US-09-335-409-2

Query Match 47.3%; Score 43.5; DB 4; Length 1421;
Best Local Similarity 37.5%; Pred. No. 65;
Matches 9; Conservative 2; Mismatches 2; Indels 11; Gaps 1;

QY 4 PTYPR-----DAETGER 16
DB 878 PTYPRERYWIDTKADDAANGDR 901

RESULT 8
US-08-663-566A-2
Sequence 2, Application US/08663566A
Patent No. 5853733
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys
TITLE OF INVENTION: and Uses Thereof
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/663,566A
FILING DATE: June 13, 1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-663-566A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 1 AETPTYPWRDAETGER 16
DB 26 ASIPETPWRSTLSGOR 41

RESULT 9
US-08-023-610-2
Sequence 2, Application US/08023610
Patent No. 5928648

GENERAL INFORMATION:
APPLICANT: Cochran Ph.D., Mark D
APPLICANT: Macdonald Ph.D., Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys
TITLE OF INVENTION: and Uses Thereof
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 30 Rockefeller Plaza
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10112
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/023,610
FILING DATE: February 26, 1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White Esq., John P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)977-9550
TELEFAX: (212)664-0525
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-023-610-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

QY 1 AETPTYPWRDAETGER 16
DB 26 ASIPETPWRSTLSGOR 41

RESULT 10
US-08-288-065A-2
Sequence 2, Application US/08288065A
Patent No. 5961982
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Macdonald, Richard D
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys S-
TITLE OF INVENTION: HVT-050 and Uses Thereof
NUMBER OF SEQUENCES: 56
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/288,065A
FILING DATE: Aug-09-94
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:

NAME: White, John P
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-288-065A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPWRDAETGER 16
| | | | | : : :
Db 26 ASIPETWRSTLSCOR 41

RESULT 11
US-08-362-240A-2
Sequence 2, Application US/08362240A
Patent No. 5965138
GENERAL INFORMATION:
APPLICANT: Cochran, Mark D
APPLICANT: Junker, David
APPLICANT: Wild, Martha A
TITLE OF INVENTION: Recombinant Herpesvirus and Uses Thereof
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/362,240A
FILING DATE: Dec-22-94
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-362-240A-2

Query Match 44.6%; Score 41; DB 2; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPWRDAETGER 16
| | | | | : : :
Db 26 ASIPETWRSTLSCOR 41

RESULT 12
PCT-US95-10245-2
Sequence 2, Application PC/TUS9510245
GENERAL INFORMATION:
APPLICANT: SYMRO CORPORATION
TITLE OF INVENTION: Recombinant Herpesvirus of Turkeys And Uses Thereof
NUMBER OF SEQUENCES: 60
CORRESPONDENCE ADDRESS:
ADDRESSEE: John P. White
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/10245
FILING DATE: 09-AUG-1995
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: White, John P
REGISTRATION NUMBER: 28,678
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212)278-0400
TELEFAX: (212)391-0526
TELEX: 422523
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 797 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US95-10245-2

Query Match 44.6%; Score 41; DB 5; Length 797;
Best Local Similarity 43.8%; Pred. No. 86;
Matches 7; Conservative 2; Mismatches 7; Indels 0; Gaps 0;

OY 1 AETPTYPWRDAETGER 16
| | | | | : : :
Db 26 ASIPETWRSTLSCOR 41

RESULT 13
US-08-440-103-29
Sequence 29, Application US/08440103
Patent No. 5670152
GENERAL INFORMATION:
APPLICANT: Weiner, Amy J.
TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,103
FILING DATE: 12-MAY-1995

CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/231,368
FILING DATE:
APPLICATION NUMBER: US 07/759,575
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0205.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2708
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Duplication
LOCATION: 3
OTHER INFORMATION: /label= heterogeneity
OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."
FEATURE:
NAME/KEY: Duplication
LOCATION: 7
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "Amino acid #5 can also be Ala."
US-08-440-103-29
Query Match 43.5%; Score 40; DB 1; Length 268;
Best Local Similarity 70.0%; Pred. No. 37;
Matches 7; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
QY 4 PTPWRDAET 13
11111111
Db 142 PTYMGMGNET 151
RESULT 14
US-08-440-103-30
Sequence 30, Application US/08440103
Patent No. 5670152
GENERAL INFORMATION:
APPLICANT: Weiner, Amy J.
APPLICANT: Houghton, Michael
TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Chiron Corporation
STREET: 4560 Horton Street
CITY: Emeryville
STATE: CA
COUNTRY: USA
ZIP: 94608
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/440,103
FILING DATE: 12-MAY-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/231,368
FILING DATE:
APPLICATION NUMBER: US 07/759,575
FILING DATE: 13-SEP-1991
ATTORNEY/AGENT INFORMATION:

NAME: McClung, Barbara G.
REGISTRATION NUMBER: 33,113
REFERENCE/DOCKET NUMBER: 0205.001
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 601-2708
TELEFAX: (510) 655-3542
INFORMATION FOR SEQ ID NO: 30:
SEQUENCE CHARACTERISTICS:
LENGTH: 268 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Duplication
LOCATION: 5
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Met."
FEATURE:
NAME/KEY: Duplication
LOCATION: 79
OTHER INFORMATION: /label= Heterogeneity
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FEATURE:
NAME/KEY: Duplication
LOCATION: 80
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FEATURE:
NAME/KEY: Duplication
LOCATION: 93
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FEATURE:
NAME/KEY: Duplication
LOCATION: 138
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FEATURE:
NAME/KEY: Duplication
LOCATION: 141
OTHER INFORMATION: /label= Heterogeneity
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NAME/KEY: Duplication
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OTHER INFORMATION: /note= "This amino acid can also be Ala."
FEATURE:
NAME/KEY: Duplication
LOCATION: 197
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Thr."
FEATURE:
NAME/KEY: Duplication
LOCATION: 208
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Arg and Asp."
FEATURE:
NAME/KEY: Duplication
LOCATION: 233
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Trp."
FEATURE:
NAME/KEY: Duplication
LOCATION: 247
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Lys."
FEATURE:
NAME/KEY: Duplication
LOCATION: 251
OTHER INFORMATION: /label= Heterogeneity
OTHER INFORMATION: /note= "This amino acid can also be Gly."

US-08-440-103-30

Query Match

Best Local Similarity 43.5%; Score 40; DB 1; Length 268;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Caps 0;

QY 4 PTYPMRDAET 13

Db 142 PTYMGDNET 151

RESULT 15

US-08-440-542-29
 ; Sequence 29, Application US/08440542
 ; Patent No. 5670153
 ; GENERAL INFORMATION:
 ; APPLICANT: Weiner, Amy J.
 ; APPLICANT: Houghton, Michael
 ; TITLE OF INVENTION: Immunoreactive Polypeptide Compositions
 ; NUMBER OF SEQUENCES: 45
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Chiron Corporation
 ; STREET: 4560 Horton Street
 ; CITY: Emeryville
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94608
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/440,542
 ; FILING DATE: 12-MAY-1995
 ; CLASSIFICATION: 424
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/231,368
 ; FILING DATE:
 ; APPLICATION NUMBER: US 07/759,575
 ; FILING DATE: 13-SEP-1991
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: McClung, Barbara G.
 ; REGISTRATION NUMBER: 33,113
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (510) 601-2708
 ; TELEFAX: (510) 655-3542
 ; INFORMATION FOR SEQ ID NO: 29:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 268 amino acids
 ; TYPE: amino acid
 ; STRANDEDNESS: single
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 ; FEATURE:
 ; NAME/KEY: Duplication
 ; LOCATION: 3
 ; OTHER INFORMATION: /label= heterogeneity
 ; OTHER INFORMATION: /note= "Amino acid #3 can also be Arg."
 ; FEATURE:
 ; NAME/KEY: Duplication
 ; LOCATION: 7
 ; OTHER INFORMATION: /label= Heterogeneity
 ; OTHER INFORMATION: /note= "Amino Acid #5 can also be Ala."
 ; US-08-440-542-29

QY 4 PTYPMRDAET 13

Db 142 PTYMGDNET 151

Search completed: May 23, 2001, 15:56:30
 Job time: 163 sec

Query Match 43.5%; Score 40; DB 1; Length 268;
 Best Local Similarity 70.0%; Pred. No. 37;
 Matches 7; Conservative 0; Mismatches 3; Indels 0; Caps 0;

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:28 ; Search time 109.73 seconds

(without alignments)
33.789 Million cell updates/sec

Title: US-09-518-931-2_COPY_1_193

Perfect score: 1097
Sequence: 1 MRALEGPGLSLCLVLAIPA.....CTALGLANVPGSSSHDTLC 193Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 200000000Post-processing: Minimum Match 0%
Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA:*

- 1: /cgn2_6/ptodata/2/1aa/5A.COMB.pep:*
- 2: /cgn2_6/ptodata/2/1aa/5B.COMB.pep:*
- 3: /cgn2_6/ptodata/2/1aa/6A.COMB.pep:*
- 4: /cgn2_6/ptodata/2/1aa/6B.COMB.pep:*
- 5: /cgn2_6/ptodata/2/1aa/PCITUS.COMB.pep:*
- 6: /cgn2_6/ptodata/2/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1097	100.0	300	2	US-08-794-796-2
2	435.5	39.7	401	3	US-08-974-022-6
3	435.5	39.7	401	4	US-09-042-785A-12
4	421	38.4	401	3	US-08-974-022-2
5	419	38.2	401	3	US-08-974-022-4
6	419	38.2	401	4	US-09-042-785A-13
7	327.5	29.9	474	2	US-08-650-000-4
8	327.5	29.9	474	4	US-09-042-785A-8
9	327.5	29.9	474	6	5395760-4
10	326	29.7	227	3	US-08-974-022-48
11	326	29.7	461	4	US-09-042-785A-7
12	324	29.5	461	1	US-08-385-228-2
13	324	29.5	461	2	US-08-385-228-2
14	324	29.5	461	6	5395760-2
15	324	29.5	486	1	US-08-243-010-1
16	324	29.5	518	1	US-08-385-229-4
17	313	28.5	163	2	US-08-219-237B-5
18	311	28.4	164	2	US-08-232-087A-9
19	284.5	25.9	197	2	US-08-505-606-1
20	278	25.3	253	4	US-09-042-785A-4
21	278	25.3	605	4	US-09-042-785A-23
22	278	25.3	655	4	US-08-959-382-2
23	250.5	22.8	355	1	US-08-292-549-6
24	246	22.4	283	5	PCT-US96-12374-2
25	233	21.2	451	3	US-08-996-139-4
26	233	21.2	616	3	US-08-996-139-6
27	229.5	20.9	591	3	US-08-996-139-2

28	228.5	20.8	625	3	US-08-996-139-15	Sequence 15, Appl
29	227.5	20.7	207	3	US-08-974-022-47	Sequence 47, Appl
30	227.5	20.7	325	1	US-08-292-549-2	Sequence 2, Appl1
31	227.5	20.7	325	4	US-09-042-785A-9	Sequence 9, Appl1
32	227.5	20.7	325	5	PCT-US91-02207-2	Sequence 2, Appl1
33	221.5	20.2	573	4	US-09-042-785A-2	Sequence 2, Appl1
34	219	20.0	277	2	US-08-147-784-2	Sequence 2, Appl1
35	214	19.5	205	3	US-08-974-022-51	Sequence 51, Appl
36	212	19.3	139	2	US-08-219-237B-8	Sequence 8, Appl1
37	211	19.2	277	4	US-09-042-785A-10	Sequence 10, Appl
38	204	18.6	326	1	US-08-292-549-4	Sequence 4, Appl1
39	204	18.6	326	5	PCT-US91-02207-4	Sequence 4, Appl1
40	203	18.5	197	3	US-08-974-022-49	Sequence 49, Appl
41	203	18.5	289	4	US-09-042-785A-11	Sequence 11, Appl
42	202.5	18.5	162	2	US-08-219-237B-7	Sequence 7, Appl1
43	198.5	18.1	206	1	US-08-097-827-7	Sequence 7, Appl1
44	198.5	18.1	206	1	US-08-494-574-7	Sequence 7, Appl1
45	198.5	18.1	438	1	US-08-097-827-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OR INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF INVENTIONS: 2
TITLE OF INVENTION: TR4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%, Score 1097, DB 2, Length 300;

Sequence 8 Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
TITLE OF INVENTION: AND USES THEREFOR
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:

LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-8

Query Match 29.9%; Score 327.5; DB 4; Length 474;
Best Local Similarity 38.1%; Pred. NO. 2.2e-20;
Matches 59; Conservative 25; Mismatches 60; Indels 11; Gaps 3;

QY 46 RLVCACCPGPTVORPCRDSPPTGCPPRHYTOFWNYLERCRVNCVLCGEREEARAC 105
DB 52 QMCAKCPGQYVKHCKNTSDTVACADCAASMTQVWNOFRICLSSSSCTTDQVEIRAC 111
QY 106 HATHNRACRCRTGFF---AHAGF---CLEHASCPPGAGVIAPGTPSONTCQPCPPTGTF 158
DB 112 TKQONRVACACGAGRYCALTKTHSGSCROCMRLSKCGPGFVASSRAVNGVLCACAPGTF 171
QY 159 SASSSSECCOPHRNCTALGLALNPVGSSSHDTLC 193
DB 172 SDTSTSDVCRPHRICSLA---IPGNASTDAVC 202

RESULT 9

5395760-4
PATENT NO. 5395760
APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN, M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO: 4
LENGTH: 474
5395760-4

Query Match 29.9%; Score 327.5; DB 6; Length 474;
Best Local Similarity 38.1%; Pred. NO. 2.2e-20;
Matches 59; Conservative 25; Mismatches 60; Indels 11; Gaps 3;

QY 46 RLVCACCPGPTVORPCRDSPPTGCPPRHYTOFWNYLERCRVNCVLCGEREEARAC 105
DB 52 QMCAKCPGQYVKHCKNTSDTVACADCAASMTQVWNOFRICLSSSSCTTDQVEIRAC 111
QY 106 HATHNRACRCRTGFF---AHAGF---CLEHASCPPGAGVIAPGTPSONTCQPCPPTGTF 158
DB 112 TKQONRVACACGAGRYCALTKTHSGSCROCMRLSKCGPGFVASSRAVNGVLCACAPGTF 171
QY 159 SASSSSECCOPHRNCTALGLALNPVGSSSHDTLC 193
DB 172 SDTSTSDVCRPHRICSLA---IPGNASTDAVC 202

RESULT 10

US-08-974-022-48
Sequence 48, Application US/08974022
PATENT NO. 6015938
GENERAL INFORMATION:
APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.

APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehaven Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 48:
SEQUENCE CHARACTERISTICS:
LENGTH: 227 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-974-022-48

Query Match 29.7%; Score 326; DB 3; Length 227;
Best Local Similarity 33.3%; Pred. NO. 1.4e-20;
Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GLSLCLVLALPALLPVAHVGAETPTYPWRDAETGE-----RLVCACCPG 55
DB 13 GLELMAAHALPA-----QVAFTPVP-----EPGSTRLEYDYDTAQCSCSPG 60
QY 56 TVQORPCRDSPPTGCPPRHYTOFWNYLERCRVNCVLCGEREEARACHTHNRAC 115
DB 61 QAKVFCRTSDTVCDSCDSTYTQLMNVPECLSGSRSSDQVETQACTREQNTCTC 120
QY 116 RTGFEAHAG-----FCLHASCPPGAGVIAPGTPSONTCQPCPPTGSSASSSECO 169
DB 121 RGWICALSKQSGCRICALRLKRCRGFGVARGTETSDVYCAPCAPGTSTNTTSDICR 180
QY 170 PHRNCTALGLALNPVGSSSHDTLC 193
DB 181 PHQICNVVA---IPGNASDAVC 200

RESULT 11

US-09-042-785A-7
Sequence 7, Application US/09042785A
PATENT NO. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:

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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEL-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
US-09-042-785A-7

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Query Match	29.7%;	Score 326;	DB 4;	Length 461;
Best Local Similarity	33.3%;	Pred. NO. 2.9e-20;		
Matches 68;	Conservative 26;	Mismatches 76;	Indels 34;	Gaps 5

Qy	8	GLSLICVIALPALLPVAVGVAEFTYUADDETE-----RLVCAQCPG	55
Db	13	GLELMAAAHALPA-----QVAFITYAP-----EPSTCKRLREYDQTOMCCSKCPG	60
Qy	56	TEVQAPCRKDSPTTCGCPRRHYTQFMNYLERCKRYCNVLGEEEREARACHATHNRCRC	115
Db	61	QNAKVFCTKTSDDVCSDESDSTYQLNMWVPECLSCGSRSSDQVETQACSTBQDNRICTC	120
Qy	116	RTGFEPANAG-----FCLENHASCPPGAGVIAVPTGPSQNTQCCPQCPPTGFSASSSSSSFCQ	165
Db	121	RPGWCAALSKOEGRLCAPLKKCPBGEGVAVPGETSDVYCCPCAPGPTFSNTSTSDICR	180
Qy	170	PHRNCTALGLALNPVGGSSSHDTLC	193
Db	181	PHQICNVYA-----TPGNASRAVAC	200

RESULT 12
 US-08-385-229-2
 Sequence 2, Application US/08385229
 Patent No. 5605690
 GENERAL INFORMATION:
 APPLICANT: Jacobs, Cindy A.
 APPLICANT: Smith, Craig A.
 TITLE OF INVENTION: Method of Treating TNF-Dependent
 TITLE OF INVENTION: Inflammation Using Tumor Necrosis Factor Antagonists
 NUMBER OF SEQUENCES: 5
 CORRESPONDENCE ADDRESSES:
 ADDRESSEE: Immunex Corporation
 STREET: 51 University Street
 CITY: Seattle
 STATE: Washington
 COUNTRY: U.S.A.
 ZIP: 98101
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/385,229
 FILING DATE:

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1 CLASSIFICATION: 435
2
3 PRIOR APPLICATION DATA:
4
5 APPLICATION NUMBER: US/07/946,236
6
7 FILING DATE:
8
9 ATTORNEY/AGENT INFORMATION:
10
11 NAME: Wright, Christopher L.
12
13 REGISTRATION NUMBER: 51,680
14
15 REFERENCE/DOCKET NUMBER: 2503
16
17 TELECOMMUNICATION INFORMATION:
18
19 TELEPHONE: (206) 587-0430
20
21 TELEFAX: (206) 587-0606
22
23 INFORMATION FOR SEQ ID NO: 2:
24
25 SEQUENCE CHARACTERISTICS:
26
27 LENGTH: 461 amino acids
28
29 TYPE: amino acid
30
31 TOPOLOGY: linear
32
33 MOLECULE TYPE: protein
34
35 US-08-365-229-2

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Query Match 29.5%; Score 324; DB 1; Length 461;
Best Local Similarity 33.3%; Pred. No. 4.3e-20;
Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

[illegible]

RESULT 13
 US-08-650-000-2
 : Sequence 2, Application US/08650000
 : Patent No 5945397
 : GENERAL INFORMATION:
 : APPLICANT: Smith, Craig A.
 : APPLICANT: Goodwin, Raymond G.
 : APPLICANT: Beckmann, M. Patricia
 : TITLE OF INVENTION: Tumor Necrosis Factor Receptors
 : NUMBER OF SEQUENCES: 4
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: ImmuneX Corporation
 : STREET: 51 University Street
 : CITY: Seattle
 : STATE: Washington
 : COUNTRY: U.S.A.
 : ZIP: 98101
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: Floppy disk
 : COMPUTER: IBM PC compatible
 : OPERATING SYSTEM: PC-DOS/MS-DOOS
 : SOFTWARE: PatentIn Release #1.0, Version #1.25
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/650,000
 : FILING DATE:
 : CLASSIFICATION: 435
 : PRIOR APPLICATION DATA:
 : APPLICATION NUMBER: US/08/468,453
 : FILING DATE:
 : APPLICATION NUMBER: US/08/038,765
 : FILING DATE:
 : APPLICATION NUMBER: US 403,241

FILING DATE: 05-SEP-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 4,05,370
 FILING DATE: 11-SEP-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 4,21,417
 FILING DATE: 13-OCT-1989
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 5,23,635
 FILING DATE: 10-MAY-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Wright, Christopher L.
 REGISTRATION NUMBER: 31,680
 REFERENCE/DOCKET NUMBER: 2501-D
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 587-0430
 TELEFAX: (206) 233-0644
 INFORMATION FOR SEQ ID NO: 2:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 461 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: protein
 US-08-650-000-2

Query Match 29.5%; Score 324; DB 2; Length 461;
 Best Local Similarity 33.3%; Pred. No. 4.3e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GSLTCLVIALPALLPVPAVRGVAETPTYPWRDAETGE-----RLVCAQCPCPG 55
 DB 13 GELMAAAHALPA-----QVAFPPVAP-----EPGTCRLREYVDQTAQCCSCSCSPG 60
 QY 56 TEVORPCRRDSPPTGCPCPRRHYTOFWNYLERCRVNCVLCGEREEBARACHTHNRCRC 115
 DB 61 QHAKVCFCTSDTVCDSCDSTYTOLMNVPECLSGSCSSDQVETQACTREQRNICTIC 120
 QY 116 RGFEPHAG-----FCLHASCPCPGAGYIAPGTPSNTQCCPCPPGTSSASSSSSECCQ 169
 DB 121 RGVWCALSKQGCRCALRCRCRPGFVARGTETSDVYCKRCAPGTSTNTSSDICTR 180
 QY 170 PHRNCALGLALNVPGSSSHDTLC 193
 DB 181 PHQICNVVA-----IPGNASMDAVC 200

RESULT 14
 5395760-2
 Patent No. 5395760
 APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN, M. PATRICIA
 TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND B-RECEPTORS
 NUMBER OF SEQUENCES: 17
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/07/523,635
 FILING DATE: 10-MAY-1990
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 421,417
 FILING DATE: 13-OCT-1989
 APPLICATION NUMBER: 405,370
 FILING DATE: 11-SEP-1989
 APPLICATION NUMBER: 403,241
 FILING DATE: 05-SEP-1989
 SEQ ID NO: 2:
 LENGTH: 461
 5395760-2

Query Match 29.5%; Score 324; DB 6; Length 461;
 Best Local Similarity 33.3%; Pred. No. 4.3e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

QY 8 GSLTCLVIALPALLPVPAVRGVAETPTYPWRDAETGE-----RLVCAQCPCPG 55
 DB 13 GELMAAAHALPA-----QVAFPPVAP-----EPGTCRLREYVDQTAQCCSCSCSPG 60
 QY 56 TEVORPCRRDSPPTGCPCPRRHYTOFWNYLERCRVNCVLCGEREEBARACHTHNRCRC 115
 DB 61 QHAKVCFCTSDTVCDSCDSTYTOLMNVPECLSGSCSSDQVETQACTREQRNICTIC 120
 QY 116 RGFEPHAG-----FCLHASCPCPGAGYIAPGTPSNTQCCPCPPGTSSASSSSSECCQ 169
 DB 121 RGVWCALSKQGCRCALRCRCRPGFVARGTETSDVYCKRCAPGTSTNTSSDICTR 180
 QY 170 PHRNCALGLALNVPGSSSHDTLC 193
 DB 181 PHQICNVVA-----IPGNASMDAVC 200

RESULT 15
 US-08-243-010-1
 Sequence 1, Application US/08243010
 Patent No. 5639597
 GENERAL INFORMATION:
 APPLICANT: Laufer, Leander
 APPLICANT: Zetlmeissel, Gerd
 TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
 TITLE OF INVENTION: Production and Use Thereof
 NUMBER OF SEQUENCES: 6
 CORRESPONDENCE ADDRESS:
 ADDRESSER: Finegan, Henderson, Farabow, Garrett &
 ADDRESSER: Dunner
 STREET: 1300 I Street, N.W.
 CITY: Washington
 STATE: D.C.
 COUNTRY: USA
 ZIP: 20005-3315
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patent Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/243,010
 FILING DATE: 13-MAY-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/798,564
 FILING DATE: 26-NOV-1991
 APPLICATION NUMBER: DE P 40 37 837.3
 FILING DATE: 28-NOV-1990
 ATTORNEY/AGENT INFORMATION:
 NAME: Einaudi, Carol P.
 REGISTRATION NUMBER: 32,220
 REFERENCE/DOCKET NUMBER: 02481-1132-00000
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 202-408-4000
 TELEFAX: 202-408-4400
 INFORMATION FOR SEQ ID NO: 1:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 486 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 MOLECULE TYPE: peptide
 US-08-243-010-1

Query Match 29.5%; Score 324; DB 1; Length 486;
 Best Local Similarity 33.3%; Pred. No. 4.6e-20;
 Matches 68; Conservative 26; Mismatches 76; Indels 34; Gaps 5;

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Db 13 GLELMAAAHALPA-----QVAFYPAP---EPGSTCRLEXYDQTAQMCCKSPG 60
QY 56 TFVORPCRRDPTTCGPPRRHYTOFWNYLERCRYCNVLCGEREEEARACHATHNRACRC 115
   : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 61 QHAKVFCTKRTSDTYCDSCEDESTYTQIMNMWPECLSCGSRCSDDQVETQACTREQNRICTC 120
QY 116 RTGEFAHAG-----FCLHNASCPPGAGVIAAGTPSQNTQCQPCPPGTFESASSSSSECCQ 169
   : | : | | | | | | | | | | | | | | | | | | | | | | | | | | | |
Db 121 RPYWCALSKQEGCRLCAPLRKCRPGFGVARPGTETSDVVCPCAPGTFSTSTSDICR 180
QY 170 PHRNCTALGLALNVPGSSSHDTLC 193
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Db 181 PHQICNVYA-----IPGNASMDAVC 200

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Search completed: May 23, 2001, 15:56:29
 Job time: 162 sec

GenCore version 4.5
Copyright (c) 1993 - 2000 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 23, 2001, 15:56:28 ; Search time 109.73 Seconds
(without alignments)
47.270 Million cell updates/sec

Title: US-09-518-931-2_COPY_31_300
Perfect score: 1487
Sequence: 1 AETPTYPWRAETGERLVCA.....RVAMPGLERSVREPLPVH 270

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 185757 seqs, 19210857 residues

Total number of hits satisfying chosen parameters: 185757

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents, AA: *
1: /cgn2_6/prodata/2/1aa/5A.COMB.pep: *
2: /cgn2_6/prodata/2/1aa/6A.COMB.pep: *
3: /cgn2_6/prodata/2/1aa/6A.COMB.pep: *
4: /cgn2_6/prodata/2/1aa/6B.COMB.pep: *
5: /cgn2_6/prodata/2/1aa/6B.COMB.pep: *
6: /cgn2_6/prodata/2/1aa/6B.COMB.pep: *

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1487	100.0	300	2	US-08-794-796-2
2	440.5	29.6	401	3	US-08-974-022-6
3	440.5	29.6	401	4	US-08-974-022-6
4	425.5	28.6	401	3	US-08-974-022-2
5	424.5	28.5	401	3	US-08-974-022-4
6	424.5	28.5	401	4	US-08-974-022-4
7	340.5	22.9	461	4	US-09-042-785A-13
8	338.5	22.8	461	1	US-08-385-229-2
9	338.5	22.8	461	1	US-08-650-000-2
10	338.5	22.8	461	6	5395760-2
11	333	22.4	227	3	US-08-974-022-48
12	332.5	22.4	474	2	US-08-650-000-4
13	332.5	22.4	474	4	US-09-042-785A-8
14	332.5	22.4	474	6	5395760-4
15	331	22.3	486	1	US-08-243-010-1
16	331	22.3	518	1	US-08-385-229-4
17	318	21.4	163	2	US-08-219-237B-5
18	316	21.3	164	2	US-08-232-087A-9
19	287	19.3	203	4	US-09-042-785A-4
20	287	19.3	655	4	US-09-042-785A-23
21	287	19.3	655	3	US-08-959-382-2
22	285.5	19.2	197	2	US-08-505-606-1
23	258.5	17.4	355	1	US-08-292-549-6
24	244	16.4	283	3	PCT-US96-12374-2
25	235.5	15.8	451	3	US-08-996-139-2
26	235.5	15.8	591	3	US-08-996-139-2
27	235.5	15.8	616	3	US-08-996-139-6

28	234.5	15.8	207	3	US-08-974-022-47	Sequence 47, Appl
29	234.5	15.8	325	1	US-08-292-549-2	Sequence 2, Appl
30	234.5	15.8	325	4	US-08-974-022-6	Sequence 9, Appl
31	234.5	15.8	325	5	PCT-US81-02207-2	Sequence 2, Appl
32	225	15.1	573	4	US-09-042-785A-2	Sequence 2, Appl
33	220.5	14.8	625	3	US-08-996-139-15	Sequence 15, Appl
34	215.5	14.5	277	2	US-08-147-784-2	Sequence 2, Appl
35	212	14.3	139	2	US-08-219-237B-8	Sequence 8, Appl
36	211.5	14.2	205	3	US-08-974-022-51	Sequence 51, Appl
37	211	14.2	277	4	US-09-042-785A-10	Sequence 10, Appl
38	210.5	14.2	326	1	US-08-292-549-4	Sequence 4, Appl
39	210.5	14.2	326	5	PCT-US91-02207-4	Sequence 49, Appl
40	203	13.7	197	4	US-08-974-022-49	Sequence 49, Appl
41	203	13.7	289	4	US-09-042-785A-11	Sequence 11, Appl
42	202.5	13.6	162	2	US-08-219-237B-7	Sequence 7, Appl
43	195.5	13.1	206	1	US-08-097-827-7	Sequence 7, Appl
44	195.5	13.1	206	1	US-08-494-574-7	Sequence 7, Appl
45	195.5	13.1	438	1	US-08-097-827-11	Sequence 11, Appl

ALIGNMENTS

RESULT 1
US-08-794-796-2
Sequence 2, Application US/08794796
Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
NUMBER OF SEQUENCES: 2
TITLE OF SEQUENCES: TR4
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION NUMBER:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2
Query Match 100.0%; Score 1487; DB 2; Length 300;

Best Local Similarity 100.0%; Pred. No. 1.2e-123;
Matches 270; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 AETPTVPRDAETGERLVACACPPGTFFVORPCRDSPPTTCGCPCPRHAYTOFWNTLERCRCY 60
Db 31 AETPTVPRDAETGERLVACACPPGTFFVORPCRDSPPTTCGCPCPRHAYTOFWNTLERCRCY 90
OY 61 CNVLGEEERARACHATHNRACRCRTGFFAHAGFCLEHASCPCPGAGVIAPGTPSQNTQC 120
Db 91 CNVLGEEERARACHATHNRACRCRTGFFAHAGFCLEHASCPCPGAGVIAPGTPSQNTQC 150
OY 121 QPCPGTFSASSSSSEOCQPHRNCATLGLALNVGSSSHDTLCTSCGFFPLSTVPGAEE 180
Db 151 QPCPGTFSASSSSSEOCQPHRNCATLGLALNVGSSSHDTLCTSCGFFPLSTVPGAEE 210
OY 181 CERAVIDEVAODISIKRLQRLQALNLEAPEGMGPTPRAGRAALQKLRRLTELLGAODG 240
Db 211 CERAVIDEVAODISIKRLQRLQALNLEAPEGMGPTPRAGRAALQKLRRLTELLGAODG 270
OY 241 ALVRLQALNVAAPGLERSVREFFLVH 270
Db 271 ALVRLQALNVAAPGLERSVREFFLVH 300

RESULT 2

US-08-974-022-6
; Sequence 6, Application US/08974022
; Patent No. 6015938
; GENERAL INFORMATION:
; APPLICANT: Boyle, William J.
; APPLICANT: Lacey, David L.
; APPLICANT: Calzone, Frank J.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: OSTEOPROTEGERIN
; NUMBER OF SEQUENCES: 53
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Denavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/974,022
; FILING DATE: 12-DEC-1995
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/577,788
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Winter, Robert B.
; REFERENCE/DOCKET NUMBER: A-378
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-974-022-6

Query Match 29.6%; Score 440.5; DB 3; Length 401;
Best Local Similarity 41.2%; Pred. No. 2.7e-31;
Matches 77; Conservative 31; Mismatches 74; Indels 5; Gaps 2;

OY 4 PTYPRDAETGERLVACACPPGTFFVORPCRDSPPTTCGCPCPRHAYTOFWNTLERCRCY 63
Db 26 PKYLHYDEETSHOLCDKCPGTYLKQCHCTAKMTVCAPCPDHYYTDSMHTSDECLYCSP 85

OY 64 LCGEERERARACHATHNRACRCRTGFFAHAGFCLEHASCPCPGAGVIAPGTPSQNTQCPC 123
Db 86 VCKELQYKQECNTHNRNVCECKEGRYIEIEFLKHSRCPGFGVQAGTERNTVCRC 145

OY 124 PPGTFSASSSSSEOCQPHRNCATLGLALNVGSSSHDTLCTSCGFFPLSTVPGAEE--C 181
Db 146 PDGFFSNSTSSKAPCRKHTNCVFGLLLTOKGNATHDNI---CSGNSSESTOKGIDVTLG 202

OY 182 ERAVIDE 188
Db 203 EEAFFRF 209

RESULT 3

US-09-042-785A-12
; Sequence 12, Application US/09042785A
; Patent No. 6194151
; GENERAL INFORMATION:
; APPLICANT: Busfield, Samantha J
; TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD, LLP
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/042,785A
; FILING DATE: 17-MAR-1998
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/938,896
; FILING DATE: 26-SEP-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Mandragouras, Amy E
; REGISTRATION NUMBER: 36,207
; REFERENCE/DOCKET NUMBER: MEI-001CP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)742-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 12:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 401 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: Internal
US-09-042-785A-12

Query Match 29.6%; Score 440.5; DB 4; Length 401;
Best Local Similarity 41.2%; Pred. No. 2.7e-31;
Matches 77; Conservative 31; Mismatches 74; Indels 5; Gaps 2;

OY 4 PTYPRDAETGERLVACACPPGTFFVORPCRDSPPTTCGCPCPRHAYTOFWNTLERCRCY 63
Db 26 PKYLHYDEETSHOLCDKCPGTYLKQCHCTAKMTVCAPCPDHYYTDSMHTSDECLYCSP 85

OY 64 LCGEERERARACHATHNRACRCRTGFFAHAGFCLEHASCPCPGAGVIAPGTPSQNTQCPC 123
Db 86 VCKELQYKQECNTHNRNVCECKEGRYIEIEFLKHSRCPGFGVQAGTERNTVCRC 145

OY 124 PPGTFSASSSSSEOCQPHRNCATLGLALNVGSSSHDTLCTSCGFFPLSTVPGAEE--C 181
Db 146 PDGFFSNSTSSKAPCRKHTNCVFGLLLTOKGNATHDNI---CSGNSSESTOKGIDVTLG 202

OY 182 ERAVIDE 188
DB 203 EEAFFRF 209

RESULT 4

US-08-974-022-2
Sequence 2, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-974-022-2

Query Match 28.6%; Score 425.5; DB 3; Length 401;
Best Local Similarity 39.5%; Pred. No. 5, 6e-30;
Matches 81; Conservative 33; Mismatches 86; Indels 5; Gaps 2;

OY 4 PTPWMDAETGERLVCAOCPPGTFVORPCRRDSPTTCGPPRRHYQFMNLYERCRYCNV 63
DB 26 PKLIHNDPEHGQLDCKAPGTYLKQHCTVRRKTLCPVCPDHSYDSMTSECVYCSF 85
OY 64 LCGEREERARACHATHNRACRCRTGFPAHAGFCLHASCPPGAGVAPGPSONTQOCPC 123
DB 86 VCKELQSVKQECNRTHNRVCECEGRYLEIEFLKHRSCPPGSGVVOAGTPERNVCKRC 145
OY 124 PCTFASASSSSBQCPHNRCTALGLALNVPSSSHDTLCTSGTFPLSTRVGAEE--C 181
DB 146 PDGFFSGETSSKAPCRKHNCSLIGLLIQKGNATHDNV---CSGNREATQNGIDVTL 202
OY 182 ERAVIDFAFODISIKRLQRLQAL 206
DB 203 EEAFFRFVPTKIIPMWLSVLVDSL 227

RESULT 5

US-08-974-022-4
Sequence 4, Application US/08974022
Patent No. 6015938

GENERAL INFORMATION:

APPLICANT: Boyle, William J.
APPLICANT: Lacey, David L.
APPLICANT: Calzone, Frank J.
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: OSTEOPROTEGERIN
NUMBER OF SEQUENCES: 53
CORRESPONDENCE ADDRESS:
ADDRESSEE: Amgen Inc.
STREET: 1840 Dehavilland Drive
CITY: Thousand Oaks
STATE: California
COUNTRY: USA
ZIP: 91320-1789

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/974,022
FILING DATE: 12-DEC-1995
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/577,788
FILING DATE:

ATTORNEY/AGENT INFORMATION:

NAME: Winter, Robert B.
REFERENCE/DOCKET NUMBER: A-378
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 401 amino acids
TYPE: amino acid
TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-974-022-4

Query Match 28.5%; Score 424.5; DB 3; Length 401;
Best Local Similarity 39.0%; Pred. No. 6, 8e-30;
Matches 80; Conservative 32; Mismatches 88; Indels 5; Gaps 2;

OY 4 PTPWMDAETGERLVCAOCPPGTFVORPCRRDSPTTCGPPRRHYQFMNLYERCRYCNV 63
DB 26 PKLIHNDPEHGQLDCKAPGTYLKQHCTVRRKTLCPVCPDHSYDSMTSECVYCSF 85
OY 64 LCGEREERARACHATHNRACRCRTGFPAHAGFCLHASCPPGAGVAPGPSONTQOCPC 123
DB 146 PDGFFSGETSSKAPCRKHNCSLIGLLIQKGNATHDNV---CSGNREATQNGIDVTL 202
OY 124 PCTFASASSSSBQCPHNRCTALGLALNVPSSSHDTLCTSGTFPLSTRVGAEE--C 181
DB 182 ERAVIDFAFODISIKRLQRLQAL 206
DB 203 EEAFFRFVPTKIIPMWLSVLVDSL 227

RESULT 6

US-09-042-785A-13
Sequence 13, Application US/09042785A
Patent No. 6194151

GENERAL INFORMATION:

APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts


```

: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US/07/946,236
:
: FILING DATE:
:
: ATTORNEY/AGENT INFORMATION:
: NAME: Wight, Christopher L.
: REGISTRATION NUMBER: 31,680
: REFERENCE/DOCKET NUMBER: 2503
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 587-0430
: TELEFAX: (206) 587-0606
: INFORMATION FOR SEQ ID NO: 2:
:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
:
: MOLECULE TYPE: protein
:
: US-08-385-229-2

```

Query Match	22.8%;	Score 338.5;	DB 1;	Length 461;
Best Local Similarity	30.1%;	Pred. No. 3e-22;		
Matches	82;	Conservative	43;	Mismatches 110;
			Indels	37;
			Gaps	9;

```
QY 16 RLVCACQCPDPTFVQRPCCRRSDPPTTCGPPCPRHYYTQFWNYLEKRYCNVLGGEREEARAC 75
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 51 QMCSKCSPGGHAKFCFKTSKTDPTVCDSCEDSTYTTLMMWVPCLSGSCSSDDOVTQSO 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 76 HATHRARCRCTGFPAHAG-----FCLSEHASCPGAGVIAGTPESOMQQOPCPTGS 129
   || : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : | : |
Db 111 TREONRITCTRGWCALSKQEGRLCAPLRKRCRGFGVARGTETSDVCKPCAPGTF 170
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 130 ASSSEDCQPHRNCTALGLALNPGSSSHDTLCTCGFPULSTRPGAECERAVIDFV 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 171 NTSSTDICRPJOICNVVA---IPGNASMAVCTSTS--PRSMAPGVHLDPV---- 220
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 AFODISIKRLORLLQALEAPE-----GAGPTPRA-----GRALQLEKRRLTELLGAODG 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 221 ---STRSQHTQPTPEPSAPSFSFLPMGPSPBAEGSTDFALPVGLIAGVTAL-----G 272
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 241 ALLVRLLOAL---RVARNP-GLERSVRERFFP 268
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 273 LIITIGVNCVIMTOVKKKRPLCLQREAAKVPHP 304
```

RESULT 9
US-08-650-000-2
Sequence 2, Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckmann, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
CITY: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650.000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468.453
FILING DATE:

```

: APPLICATION NUMBER: US/08/038,765
: FILING DATE:
: APPLICATION NUMBER: US 403,241
: FILING DATE: 05-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 405,370
: FILING DATE: 11-SEP-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 421,417
: FILING DATE: 13-OCT-1989
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 523,635
: FILING DATE: 10-MAY-1990
: ATTORNEY/AGENT INFORMATION:
: NAME: Wight, Christopher L.
: REGISTRATION NUMBER: 31,680
: REFERENCE/DOCKET NUMBER: 2501-D
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (206) 587-0430
: TELEFAX: (206) 233-0644
: INFORMATION FOR SEQ ID NO: 2:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 461 amino acids
: TYPE: amino acid
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
: US-08-650-000-2

```

Query Match	22.8%;	Score 338.5;	DB 2;	Length 461;
Best Local Similarity	30.1%;	Pred. NO. 3e-22;		
Matches	82;	Conservative	43;	Mismatches 110;
				Indels 37;
				Gaps 9;

[illegible]

```

RESULT 10
5395760-2
: Patent No. 5395760
: APPLICANT: SMITH, CRAIG A.; GOODWIN, RAYMOND G.; BECKMANN,
: M. PATRICIA
: TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR-a AND
: B-RECEPTORS
: NUMBER OF SEQUENCES: 17
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/07/523,635
: FILING DATE: 10-MAY-1990
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 421,417
: FILING DATE: 13-OCT-1989
: APPLICATION NUMBER: 405,370
: FILING DATE: 11-SEP-1989
: APPLICATION NUMBER: 403,241
: FILING DATE: 05-SEP-1989
: SEQ ID NO.: 2

```

LENGTH: 461
; 5395760-2

Query Match	22.8%	Score 338.5	DB 6	Length 461
Best Local Similarity	30.1%	Pred. No. 3e-22		
Matches 82	Conservative 43	Mismatches 110	Indels 37	Gaps 9

```

QY 16 RLVAGCGPGEFFVORPCRPBDSPTTCGCGPRPHNYQFNNYTERCYCVLGEEREARAC 75
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 51 QMCSCKSPGQHAHVFTKTSIDYICBDSBSTDYTIQILNWWPELSCSGSRSSSDVETQAC 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 76 HATHNRACRCTGFFAHAG-----FLEHASCPGAGVIATGTPSONTOCOPCPGTF 129
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 111 TREONRICTCPGMYCALSKQEGCRLAPLRKCPGEGVAPRGSTSDVYCKPCAPGTF 170
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 130 ASSSSQCCQPHNRCTALGLALNPGSSSHDILCTSGTGPLSTRVGAEECERAVDYF 189
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 171 NTSTSDICRHOICNVVA-----IPGNASMDACTSTFS--PTRMAGAAVHLDPQV--- 220
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 190 AFODISIKRLORLLQALEAE-----GWCPTPRA-----GRAALQIKRRRLTELLAGDG 240
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 221 ---STRSQHQPRPEPSNAPTSTFLBMPGSPRAEGSTGDFALPVGILIVGTAL-----G 272
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 241 ALVRLQLAL---RVAMP--GLENSVERELP 268
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 273 LLIIGVAVCYMTQVKKRPPCLQLEAEAVPHLP 304
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :

```

```

11
US-08-974-022-48
: Sequence 48: Application US/08974022
: Patent No. 6015938
: GENERAL INFORMATION:
: APPLICANT: Boyle, William J.
: APPLICANT: Lacey, David L.
: APPLICANT: Calzone, Frank J.
: APPLICANT: Chang, Ming-Shi
: TITLE OF INVENTION: OSTEOPROTEGERIN
: NUMBER OF SEQUENCES: 53
: CORRESPONDENCE ADDRESSES:
: ADDRESSEE: Amgen Inc.
: STREET: 1840 Dehavilland Drive
: CITY: Thousand Oaks
: STATE: California
: COUNTRY: USA
: ZIP: 91320-1789
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/974,022
: FILING DATE: 12-DEC-1995
: CLASSIFICATION:
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: 08/577,788
: FILING DATE:
: ATTORNEY/AGENT INFORMATION:
: NAME: Winter, Robert B.
: REFERENCE/DOCKET NUMBER: A-378
: INFORMATION FOR SEQ ID NO: 48:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 227 amino acids
: TYPE: amino acid
: STRANDEDNESS: single
: TOPOLOGY: linear
: MOLECULE TYPE: protein
:
US-08-974-022-48

```

Query Match	22.48;	Score 333;	DB 3;	Length 227;
-------------	--------	------------	-------	-------------

Best Local Similarity 35.5%; Pred. No. 3.9e-22;
Matches 60; Conservative 28; Mismatches 69; Indels 12; Gaps 3;

[illegible]

```

RESULT 12
US-08-650-000-4
Sequence 4 Application US/08650000
Patent No. 5945397
GENERAL INFORMATION:
APPLICANT: Smith, Craig A.
APPLICANT: Goodwin, Raymond G.
APPLICANT: Beckman, M. Patricia
TITLE OF INVENTION: Tumor Necrosis Factor Receptors
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex Corporation
STREET: 51 University Street
City: Seattle
STATE: Washington
COUNTRY: U.S.A.
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/650,000
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/468,453
FILING DATE:
APPLICATION NUMBER: US/08/038,765
FILING DATE:
APPLICATION NUMBER: US 403,241
FILING DATE:
APPLICATION NUMBER: US 523,635
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 405,370
FILING DATE:
APPLICATION NUMBER: US 405,370
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 421,417
FILING DATE:
APPLICATION NUMBER: US 421,417
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 523,635
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Wright, Christopher L.
REGISTRATION NUMBER: 31,680
REFERENCE/DOCKET NUMBER: 2501-D
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 567-0430
TELEFAX: (206) 233-0644
INFORMATION FOR SEQ. ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-650-000-4

```

Query Match 22.4%; Score 332.5; DB 2; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGPTFYORPCRDSPPTTCGCPRRHTYOFWNYLERCYCNVLCGEREEERARAC 75
DB 52 QMCACACPPGQYVHKCNKTSDFVACDCEASMTYOWNOPRTLCSSSSCTTDOVEIRAC 111
QY 76 HATHNRACRCRTGTF---AHAGF---CLEHASCPCGAGYIAGTFSQNTOCQPCPPGTF 128
DB 112 TKQONRVACACAGRYCALKTHSSCQCMRLSKCGFGVASSRARNGNVLCACACAGTF 171
QY 129 SASSSSEOCOPHRNCTALGLALNVPGSSSHDTLCT---SCTGFPLSTRVPAECCERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALALPAPEGWGP---RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLQRDAKVPHP 305

RESULT 13
US-09-042-785A-8
Sequence 8, Application US/09042785A
Patent No. 6194151
GENERAL INFORMATION:
APPLICANT: Busfield, Samantha J
TITLE OF INVENTION: NOVEL MOLECULES OF THE TNF RECEPTOR SUPERFAMILY
NUMBER OF SEQUENCES: 31
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD, LLP
STREET: 28 State Street
CITY: Boston
STATE: Massachusetts
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/042,785A
FILING DATE: 17-MAR-1998
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/938,896
FILING DATE: 26-SEP-1997
ATTORNEY/AGENT INFORMATION:
NAME: Mandragouras, Amy E
REGISTRATION NUMBER: 36,207
REFERENCE/DOCKET NUMBER: MEI-001CP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 474 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: Internal
US-09-042-785A-8

Query Match 22.4%; Score 332.5; DB 4; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGPTFYORPCRDSPPTTCGCPRRHTYOFWNYLERCYCNVLCGEREEERARAC 75
DB 52 QMCACACPPGQYVHKCNKTSDFVACDCEASMTYOWNOPRTLCSSSSCTTDOVEIRAC 111
QY 76 HATHNRACRCRTGTF---AHAGF---CLEHASCPCGAGYIAGTFSQNTOCQPCPPGTF 128
DB 112 TKQONRVACACAGRYCALKTHSSCQCMRLSKCGFGVASSRARNGNVLCACACAGTF 171
QY 129 SASSSSEOCOPHRNCTALGLALNVPGSSSHDTLCT---SCTGFPLSTRVPAECCERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALALPAPEGWGP---RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLQRDAKVPHP 305

RESULT 14
5395760-4
Patent No. 5395760
M. PATRICIA
TITLE OF INVENTION: DNA ENCODING TUMOR NECROSIS FACTOR- α AND
B-RECEPTORS
NUMBER OF SEQUENCES: 17
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/523,635
FILING DATE: 10-MAY-1990
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 421,417
FILING DATE: 13-OCT-1989
APPLICATION NUMBER: 405,370
FILING DATE: 11-SEP-1989
APPLICATION NUMBER: 403,241
FILING DATE: 05-SEP-1989
SEQ ID NO: 4
LENGTH: 474
5395760-4

Query Match 22.4%; Score 332.5; DB 6; Length 474;
Best Local Similarity 29.7%; Pred. No. 1.1e-21;
Matches 81; Conservative 44; Mismatches 109; Indels 39; Gaps 9;

QY 16 RLVCACCPGPTFYORPCRDSPPTTCGCPRRHTYOFWNYLERCYCNVLCGEREEERARAC 75
DB 52 QMCACACPPGQYVHKCNKTSDFVACDCEASMTYOWNOPRTLCSSSSCTTDOVEIRAC 111
QY 76 HATHNRACRCRTGTF---AHAGF---CLEHASCPCGAGYIAGTFSQNTOCQPCPPGTF 128
DB 112 TKQONRVACACAGRYCALKTHSSCQCMRLSKCGFGVASSRARNGNVLCACACAGTF 171
QY 129 SASSSSEOCOPHRNCTALGLALNVPGSSSHDTLCT---SCTGFPLSTRVPAECCERA 184
DB 172 SDTSSSTDVCRPHRISILA---IPGNASTDAVCAPESTLSAIPRTLYVSPPEPTRSQ 227
QY 185 VIDFVAFODISIRLQRLQALALPAPEGWGP---RAGRALQKLRRRLTELLGAOD 239
DB 228 PLD---QEPGSPQTSILTSL-----GSTPIEOSTKGISLPIGLIVGVTSL----- 272
QY 240 GALLVRLQAL---RVARMPLERSVREERFLP 268
DB 273 GLMLGLVNCIILVQRKKPKSCLQRDAKVPHP 305

RESULT 15
US-08-243-010-1
Sequence 1, Application US/08243010

```
; Patent No. 5639597
; GENERAL INFORMATION:
; APPLICANT: Lauffer, Leander
; APPLICANT: Zettlmeisel, Gerd
; APPLICANT: Oquendo, Patricia
; TITLE OF INVENTION: Cell-free Receptor Binding Assays, The
; TITLE OF INVENTION: Production and Use Thereof
; NUMBER OF SEQUENCES: 6
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Flunegan, Henderson, Farbow, Garrett &
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/243,010
; FILING DATE: 13-MAY-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/798,564
; FILING DATE: 26-NOV-1991
; APPLICATION NUMBER: DE P 40 37 837.3
; FILING DATE: 28-NOV-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Elnaudi, Carol P.
; REGISTRATION NUMBER: 32,220
; REFERENCE/DOCKET NUMBER: 02481-1132-00000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-408-4000
; TELEFAX: 202-408-4400
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 486 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
;
US-08-243-010-1
```

```
Query Match 22.3%; Score 331; DB 1; Length 486;
Best Local Similarity 35.5%; Pred. No. 1.5e-21;
Matches 60; Conservative 28; Mismatches 69; Indels 12; Gaps 3;

OY 16 RLVCAQCPGTFVORPCRRDSPPTGCPGPPRHYQFMNYLERCRYCNVLCGEREEEARAC 75
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 51 QMCSKSPGQHAQVFCPTKTDVCDSCEDSDSTYQIMNMVPECLSCGSRCSDDVETQAC 110
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 76 HATNRCRCRGTGFANAG-----FCLHNSCPGAGVIAAGTSPQNTQOCQCPGTFES 129
   | | | | | : : : : : | | | | | : : : : : | | | | | : : : : :
Db 111 TREONRITCTCRPGWYCALSKQEGRLCAPLRKCRPGFVARPGTETSDVYCKPCAPGTFES 170
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 130 ASSSSSECCQPHRNCTALGLALNVPGSSSHDTLCTCTGTFPLSTRVPGA 178
   : : : : : : : : : : : : : : : : : : : : : : : : : : : : : :
Db 171 NTSSTIDICRPHQICNVYA----IPGNASMDAVCTSTS--PTRSMAPGA 213
```

Search completed: May 23, 2001, 15:56:28
Job time: 161 sec

Db	121	AHAFCLEHASCPCPGAGIAGTGFPSQNTQCPCPPGTFSSASSSSSECCQPHRNTALGLA	180
Qy	181	LNWGGSSHDPLCTSCGFPPLSTFVPGAECEERAVIDFVAFODISTRLQRLQALEAPE	240
Db	181	LNWGGSSSHDPLCTSCGFPPLSTFVPGAECEERAVIDFVAFODISTRLQRLQALEAPE	240
Qy	241	GMGFTPRAGRAALDKLTERRRLTELLGADGALLVRLQOALRVAMPGLERSVREFLPVH	300
Db	241	GMGFTPRAGRAALDKLTERRRLTELLGADGALLVRLQOALRVAMPGLERSVREFLPVH	300

```

RESULT      2
PCT-US00-05686-2
: Sequence 2, Application PC/TUS0005686
: GENERAL INFORMATION:
: APPLICANT: Human Genome Sciences, Inc.
: TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
: FILE REFERENCE: pft54pt, PCT
: CURRENT APPLICATION NUMBER: PCT/US00/05686
: CURRENT FILING DATE: 2000-03-03
: EARLIER APPLICATION NUMBER: 60/121,774
: EARLIER FILING DATE: 1999-03-04
: EARLIER APPLICATION NUMBER: 60/124,092
: EARLIER FILING DATE: 1999-03-12
: EARLIER APPLICATION NUMBER: 60/131,279
: EARLIER FILING DATE: 1999-04-27
: EARLIER APPLICATION NUMBER: 60/131,964
: EARLIER FILING DATE: 1999-04-30
: EARLIER APPLICATION NUMBER: 60/146,371
: EARLIER FILING DATE: 1999-08-02
: EARLIER APPLICATION NUMBER: 60/168,235
: EARLIER FILING DATE: 1999-12-01
: NUMBER OF SEQ ID NOS: 27
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapiens
PCT-US00-05686-2

```

	Query Match	Best Local Similarity	Matches	300;	Conservative	0;	Mismatches	0;	Indels	0;	Gaps
0Y	1	MRALEGGLSLICLVIALPALLPVAVGVAAETPTYPWDAETGGERLVCAOCPPTGVQR	60								
Db	1	MRALEGGLSLICLVIALPALLPVAVGVAAETPTYPWDAETGGERLVCAOCPPTGVQR	60								
0Y	61	PCRDSPPTGCPCPRHAYTQFMWLTENCRICNVLCGEREEAARACHATHNRACRTGTF	120								
Db	61	PCRDSPPTGCPCPRHAYTQFMWLTENCRICNVLCGEREEAARACHATHNRACRTGTF	120								
0Y	121	AHAGFCLHNASCPGAGAVIAGTSPSQTOQPCPPGTFSASSSSSECCQPHRMCTALGLA	180								
Db	121	AHAGFCLHNASCPGAGAVIAGTSPSQTOQPCPPGTFSASSSSSECCQPHRMCTALGLA	180								
0Y	181	LNVAEGSSSHDTLCTSCGTFPLSTRVPAECECAVADVFVAFODISIKRLORLLDALEAP	240								
Db	181	LNVAEGSSSHDTLCTSCGTFPLSTRVPAECECAVADVFVAFODISIKRLORLLDALEAP	240								
0Y	241	GMGFTPAGRAALQDKLRRLRTTELLGQDQDALLVRLQALRVARMPELERSYVERFLPVH	300								
Db	241	GMGFTPAGRAALQDKLRRLRTTELLGQDQDALLVRLQALRVARMPELERSYVERFLPVH	300								

RESULT 3

PCT-US99-28696-2

: Sequence 2, Application PC/TUS9928696

: GENERAL INFORMATION:

: APPLICANT: Eli Lilly and Company

: TITLE OF INVENTION: FLINT Compositions and Uses thereof

```

; FILE REFERENCE: X-12671
; CURRENT APPLICATION NUMBER: PCT/US99/28696
; CURRENT FILING DATE: 1999-12-07
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: prt
; ORGANISM: Homo sapiens
PCT-US99-28696-2

```

	Query Match	100.0%	Score 1634	DB 1	Length 300
	Best Local Similarity	100.0%	Pred. No. 7.6e-120		
	Matches 300	Conservative 0	Mismatches 0	Indels 0	Gaps
Qy	1	MAALEGPELSILCLVLAIPALLPVPVAVGAETPTPTMRAETGERLYVCAQCPPTGVQR	60		
Db	1	MAALEGPELSILCLVLAIPALLPVPVAVGAETPTPTMRAETGERLYVCAQCPPTGVQR	60		
Qy	61	PCRRDSPPTGCPCPRRHYTQFMNLTLERCRYCNVLCGEEEREAACAHYNRACRCPTGFE	120		
Db	61	PCRRDSPPTGCPCPRRHYTQFMNLTLERCRYCNVLCGEEEREAACAHYNRACRCPTGFE	120		
Qy	121	AHAGCCLSHACCPGAGYIANGTFSQNTQCPCPPTGTFSSASSSSSECCQPHRNCTALGLA	180		
Db	121	AHAGCCLSHACCPGAGYIANGTFSQNTQCPCPPTGTFSSASSSSSECCQPHRNCTALGLA	180		
Qy	181	LNVPSSSSHDITLCSTGTFPLSTFVPVGAEEERAVIDFVAFODISIRLRQLQALFAPE	240		
Db	181	LNVPSSSSHDITLCSTGTFPLSTFVPVGAEEERAVIDFVAFODISIRLRQLQALFAPE	240		
Qy	241	GMGPPRRAGRAALQKLRRLRTTELLGAGDGLVLRLLQALRVAMPCLFESSVERFLPVH	3000		
Db	241	GMGPPRRAGRAALQKLRRLRTTELLGAGDGLVLRLLQALRVAMPCLFESSVERFLPVH	3000		

```

RESULT 4
US-09-006-352-2
: Sequence 2, Application US/09006352
: GENERAL INFORMATION:
: APPLICANT: Gentz, Reiner et al.
: TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
: FILE REFERENCE: PF454
: CURRENT APPLICATION NUMBER: US/09/006,352
: CURRENT FILING DATE: 1998-01-13
: PRIOR APPLICATION NUMBER: 60/035,496
: PRIOR FILING DATE: 1997-01-14
: NUMBER OF SEQ ID NOS: 24
: SOFTWARE: PatentIn Ver. 2.1
: SEQ ID NO 2
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapiens
US-09-006-352-2

```

Query Match	100.0%	Score 1634;	DB 14;	Length 300;
Best Local Similarity	100.0%	Frd. No. 7	6e-120;	
Matches 300;	Conservative 0;	Mismatches 0;	Indels 0;	Gaps 0;
QY	1	MALEGGSLSLCLVLAIPALIPYPAVAGVAETPTYPMDAETGERLVCAACPGPTFYQR	60	
Db	1	MRALGGPSLCLCLVLAIPALLPYPAVAGVAETPTYPMDAETGERLVCAACPGPTFYQR	60	
QY	61	PCRKDSPTTCGCPPRHYTQFWNTYERCRICNVLCGEDEEARACHATHNRCRKTGFF	120	
Db	61	PCRKDSPTTCGCPPRHYTQFWNTYERCRICNVLCGEDEEARACHATHNRCRKTGFF	120	
QY	121	AHAGGCLHASCPAGIAPGTBPSQNOQCPGCTSSASSSSSEQCPHNCATLGLA	180	
Db	121	AHAGGCLHASCPAGIAPGTBPSQNOQCPGCTSSASSSSSEQCPHNCATLGLA	180	

Oy 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Db 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300
Db 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300

RESULT 5
US-09-119-899-2

; Sequence 2, Application US/09119899
; GENERAL INFORMATION:
; APPLICANT: Farrah, Theresa M
; TITLE OF INVENTION: TUMOR MECHANISM FACTOR RECEPTOR ZTNFR-5
; FILE REFERENCE: 97-31
; CURRENT APPLICATION NUMBER: US/09/119,899
; EARLIER FILING DATE: 1998-07-21
; EARLIER APPLICATION NUMBER: 60/053,203
; NUMBER OF SEQ ID NOS: 33
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-119-899-2

Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60
Oy 61 PCRDSPTTCGCPPRHYTFQFMYNTERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Db 61 PCRDSPTTCGCPPRHYTFQFMYNTERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Oy 121 AHAGFLEHASCPGAGVIAPTGPSONTQCPGPTFSASSSSBQCPHNRCTALGLA 180
Db 121 AHAGFLEHASCPGAGVIAPTGPSONTQCPGPTFSASSSSBQCPHNRCTALGLA 180
Oy 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Db 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300
Db 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300

RESULT 6
US-09-157-289-1

; Sequence 1, Application US/09157289D
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TUMAS, DANIEL B
; APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2
; CURRENT APPLICATION NUMBER: US/09/157,289D
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: US 60/059,288

; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: US 60/094,640
; EARLIER FILING DATE: 1998-07-30
; NUMBER OF SEQ ID NOS: 16
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-157-289-1

US-09-157-289-1

Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60
Oy 61 PCRDSPTTCGCPPRHYTFQFMYNTERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Db 61 PCRDSPTTCGCPPRHYTFQFMYNTERCRVCNVLGCEEEARACHATNHRACRGTGFF 120
Oy 121 AHAGFLEHASCPGAGVIAPTGPSONTQCPGPTFSASSSSBQCPHNRCTALGLA 180
Db 121 AHAGFLEHASCPGAGVIAPTGPSONTQCPGPTFSASSSSBQCPHNRCTALGLA 180
Oy 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Db 181 LNVPGSSSHDTLCTSGTGPPLSTRVPGAECECECAVIFAODISIKRLQRLQALEAPE 240
Oy 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300
Db 241 GNGPPTPRAGRAALQTLKRRRLTELLGAODGALLVRLQALRVARMGLESVEREFLPVH 300

RESULT 7
US-09-157-289E-1

; Sequence 1, Application US/09157289E
; GENERAL INFORMATION:
; APPLICANT: ASHKENAZI, AVI J
; APPLICANT: BOTSTEIN, DAVID
; APPLICANT: DODGE, KELLY H.
; APPLICANT: GURNEY, AUSTIN L.
; APPLICANT: KIM, KYUNG JIN
; APPLICANT: LAWRENCE, DAVID A.
; APPLICANT: PITTI, ROBERT
; APPLICANT: ROY, MARGARET A
; APPLICANT: TUMAS, DANIEL B
; APPLICANT: WOOD, WILLIAM I.
; TITLE OF INVENTION: DCR3 Polypeptide, A TNFR Homolog
; FILE REFERENCE: P1134R2 REVISED
; CURRENT APPLICATION NUMBER: US/09/157,289E
; EARLIER FILING DATE: 1998-09-18
; EARLIER APPLICATION NUMBER: US 60/059,288
; EARLIER FILING DATE: 1997-09-18
; EARLIER APPLICATION NUMBER: US 60/094,640
; NUMBER OF SEQ ID NOS: 18
; SEQ ID NO 1
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-157-289E-1

Query Match 100.0%; Score 1634; DB 15; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60
Db 1 MRLEBPGSLCLVLAALPVPVAVRGVAETPTVPMWDAETGERLYCAOCPPGTFVOR 60

```
OY 61 PCRRDPTTCGCPPPRHYYTQFWNTLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
      |||
      61 PCRRDPTTCGCPPPRHYYTQFWNTLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
      |||
      121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
      |||
      121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
OY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
      |||
      181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
      |||
      181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
OY 241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
      |||
      241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
Db 241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
      |||
      241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
```

RESULT 8

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US-09-280-567-2
; Sequence 2, Application US/09280567
; GENERAL INFORMATION:
; APPLICANT: BUMOL, Thomas Frank
; APPLICANT: DOU, Shenshen
; APPLICANT: GLASERBROCK, Andrew Lawrence
; APPLICANT: GOULD, Kenneth Elliot
; APPLICANT: HALE, John Edward
; APPLICANT: HEUER, Josef Georg
; APPLICANT: HUI, Kwan Yux
; APPLICANT: KHARITONENKOV, Alexei
; APPLICANT: MIRZAH, Jacques
; APPLICANT: NA, Songqing
; APPLICANT: NOBILIT, Timothy Wayne
; APPLICANT: REIDY, Charles Arthur
; APPLICANT: SONG, Ho Yeong
; APPLICANT: WANG, Jian
; APPLICANT: WU, Xiyang
; APPLICANT: ZUCKERMAN, Steven Harold
; TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MFLINT POLYPEPTIDES
; FILE REFERENCE: 040902/0136
; CURRENT APPLICATION NUMBER: US/09/280,567
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: US 60/113,407
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: US 60/112,933
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,703
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,577
; EARLIER FILING DATE: 1998-12-17
; EARLIER APPLICATION NUMBER: US 60/099,643
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: US 60/086,074
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 60/079,856
; EARLIER FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-280-567-2
```

```
Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY 1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
      |||
      1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
Db 1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
      |||
      1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
```

```
OY 61 PCRRDPTTCGCPPPRHYYTQFWNTLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
      |||
      61 PCRRDPTTCGCPPPRHYYTQFWNTLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
      |||
      121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
Db 121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
      |||
      121 AAHAFCLHNASCPGAGVIAGTSPONTQCCPPGTFSSASSSSSECCOPHRNCTALGLA 180
OY 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
      |||
      181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
Db 181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
      |||
      181 LNVGSSSHDILCTSCGTGFLSTRVPGAECERAVIDFVAFODISIKRLQRLQALBAPE 240
OY 241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
      |||
      241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
Db 241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
      |||
      241 GWGPTPRAGRAALQKLRRLITELLGAQDAGALLVRLQALRVAMPGLERSVREPLPVH 300
```

RESULT 9

```
US-09-280-567-2
; Sequence 2, Application US/09280567A
; GENERAL INFORMATION:
; APPLICANT: BUMOL, Thomas Frank
; APPLICANT: DOU, Shenshen
; APPLICANT: GLASERBROCK, Andrew Lawrence
; APPLICANT: GOULD, Kenneth Elliot
; APPLICANT: HALE, John Edward
; APPLICANT: HEUER, Josef Georg
; APPLICANT: HUI, Kwan Yux
; APPLICANT: KHARITONENKOV, Alexei
; APPLICANT: MIRZAH, Jacques
; APPLICANT: NA, Songqing
; APPLICANT: NOBILIT, Timothy Wayne
; APPLICANT: REIDY, Charles Arthur
; APPLICANT: SONG, Ho Yeong
; APPLICANT: WANG, Jian
; APPLICANT: WU, Xiyang
; APPLICANT: ZUCKERMAN, Steven Harold
; TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MFLINT POLYPEPTIDES
; FILE REFERENCE: 040902/0136
; CURRENT APPLICATION NUMBER: US/09/280,567A
; CURRENT FILING DATE: 1999-03-30
; EARLIER APPLICATION NUMBER: US 60/113,407
; EARLIER FILING DATE: 1998-12-22
; EARLIER APPLICATION NUMBER: US 60/112,933
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,703
; EARLIER FILING DATE: 1998-12-18
; EARLIER APPLICATION NUMBER: US 60/112,577
; EARLIER FILING DATE: 1998-12-17
; EARLIER APPLICATION NUMBER: US 60/099,643
; EARLIER FILING DATE: 1998-09-09
; EARLIER APPLICATION NUMBER: US 60/086,074
; EARLIER FILING DATE: 1998-05-20
; EARLIER APPLICATION NUMBER: US 60/079,856
; EARLIER FILING DATE: 1998-03-30
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 2
; LENGTH: 300
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-280-567-2
```

```
Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
OY 1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
      |||
      1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
Db 1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
      |||
      1 MRALEGGSLILCLVTLALPALLPVAIVGVAETPTYPMDAETGERLVCAQCCPGTFVOR 60
OY 61 PCRRDPTTCGCPPPRHYYTQFWNTLERCRCNVLCGEREEBARACHATHNRACRCRTGFF 120
```



```

DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATHNRACRCTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 10
US-09-280-567-2
Sequence 2, Application US/09280567B

```

GENERAL INFORMATION:
APPLICANT: BUMOL, Thomas Frank
APPLICANT: DOU, Shenshen
APPLICANT: GLASSBROOK, Andrew Lawrence
APPLICANT: GOULD, Kenneth Elliott
APPLICANT: HALE, John Edward
APPLICANT: HEUER, Josef Georg
APPLICANT: HUI, Kwan Yuk
APPLICANT: KHARITONENKOV, Alexei
APPLICANT: MIZRAHI, Jacques
APPLICANT: NA, Songqing
APPLICANT: NOBLITT, Timothy Wayne
APPLICANT: REIDY, Charles Arthur
APPLICANT: SONG, Ho Yeong
APPLICANT: WANG, Jian
APPLICANT: WU, Xiyang
APPLICANT: ZUCKERMAN, Steven Harold
TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF MELINT POLYPEPTIDES
FILE REFERENCE: 040902/0136
CURRENT APPLICATION NUMBER: US/09/280,567B
CURRENT FILING DATE: 1999-03-30
EARLIER APPLICATION NUMBER: US 60/113,407
EARLIER FILING DATE: 1998-12-22
EARLIER APPLICATION NUMBER: US 60/112,933
EARLIER FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: US 60/112,703
EARLIER FILING DATE: 1998-12-18
EARLIER APPLICATION NUMBER: US 60/112,577
EARLIER FILING DATE: 1998-12-17
EARLIER APPLICATION NUMBER: US 60/099,643
EARLIER FILING DATE: 1998-09-09
EARLIER APPLICATION NUMBER: US 60/086,074
EARLIER FILING DATE: 1998-05-20
EARLIER APPLICATION NUMBER: US 60/079,856
EARLIER FILING DATE: 1998-03-30
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-280-567-2

```

Query Match 100.0%; Score 1634; DB 16; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,66-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MRALBSPGLSLCLVLAALPALLVPVAVRGVAETPTYPMDAETGERLVCACCPGTFVOR 60
DB 1 MRALBSPGLSLCLVLAALPALLVPVAVRGVAETPTYPMDAETGERLVCACCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATHNRACRCTGFF 120

```

```

DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATHNRACRCTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 11
US-09-421-838-2
Sequence 2, Application US/09421838

```

GENERAL INFORMATION:
APPLICANT: Cohen, Fredrick J.
APPLICANT: Weidat, Daniel
TITLE OF INVENTION: THERAPEUTIC APPLICATIONS OF FLINT POLYPEPTIDES
FILE REFERENCE: X-12915A
CURRENT APPLICATION NUMBER: US/09/421,838
CURRENT FILING DATE: 1999-10-20
EARLIER APPLICATION NUMBER: US 09/280,567
EARLIER FILING DATE: 1999-03-30
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-421-838-2

```

Query Match 100.0%; Score 1634; DB 18; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,66-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

QY 1 MRALBSPGLSLCLVLAALPALLVPVAVRGVAETPTYPMDAETGERLVCACCPGTFVOR 60
DB 1 MRALBSPGLSLCLVLAALPALLVPVAVRGVAETPTYPMDAETGERLVCACCPGTFVOR 60
QY 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATHNRACRCTGFF 120
DB 61 PCRDSPTTCGCPRRHYTFQFNNYLERCRYCNVLCGEREEEARACHATHNRACRCTGFF 120
QY 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
DB 121 AHAGFLEHASCPGAGVIAPTGPSQNTQCPCPGTFSASSSSSEQCOPHRNCTALGIA 180
QY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECEERAVIDFAFODISIKRLQRLQALEAPE 240
QY 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300
DB 241 GWCPTPRAGRALQQLKRLRRTELLEGAODGALLVRLQALRAVRMPGLERSYRERLPHV 300

```

RESULT 12
US-09-455-691-2
Sequence 2, Application US/09455691

```

GENERAL INFORMATION:
APPLICANT: Song, Ho Yeong
APPLICANT: Su, Eric Wen
TITLE OF INVENTION: FLINT Compositions and Uses Thereof
FILE REFERENCE: X-12671
CURRENT APPLICATION NUMBER: US/09/455,691
CURRENT FILING DATE: 1999-12-07
NUMBER OF SEQ ID NOS: 4
SOFTWARE: PatentIn Ver. 2.0

```

SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-455-691-2

Query Match 100.0%; Score 1634; DB 18; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
DB 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
QY 121 AHAGFCLHASCPCPGAGVIAGTPSONTQCCPCPGTFSSASSSSSECCQPHRNCATGLA 180
DB 121 AHAGFCLHASCPCPGAGVIAGTPSONTQCCPCPGTFSSASSSSSECCQPHRNCATGLA 180
QY 121 LNVGSSSHDTLCTSCGFPLSTRVPGAEECERAVIDVFVAFODISIKRLQRLQALFAPE 240
DB 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECERAVIDVFVAFODISIKRLQRLQALFAPE 240
QY 241 GWGTPPRAGRAALQKLRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300

RESULT 13

US-09-518-931-2
Sequence 2, Application US/09518931
GENERAL INFORMATION:
APPLICANT: Gentz, Reiner
TITLE OF INVENTION: Tumor Necrosis Factor Receptors 6 Alpha and 6 Beta
FILE REFERENCE: P454P1
CURRENT APPLICATION NUMBER: US/09/518,931
PRIOR FILING DATE: 2000-03-03
PRIOR APPLICATION NUMBER: 09/006,352
PRIOR FILING DATE: 1998-01-13
PRIOR APPLICATION NUMBER: 60/121,774
PRIOR FILING DATE: 1999-03-04
PRIOR APPLICATION NUMBER: 60/124,092
PRIOR FILING DATE: 1999-03-12
PRIOR APPLICATION NUMBER: 60/131,279
PRIOR FILING DATE: 1999-04-27
PRIOR APPLICATION NUMBER: 60/131,964
PRIOR FILING DATE: 1999-04-30
PRIOR APPLICATION NUMBER: 60/146,371
PRIOR FILING DATE: 1999-08-02
PRIOR APPLICATION NUMBER: 60/168,235
PRIOR FILING DATE: 1999-12-01
NUMBER OF SEQ ID NOS: 27
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 2
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-518-931-2

Query Match 100.0%; Score 1634; DB 19; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120

DB 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
QY 121 AHAGFCLHASCPCPGAGVIAGTPSONTQCCPCPGTFSSASSSSSECCQPHRNCATGLA 180
DB 121 AHAGFCLHASCPCPGAGVIAGTPSONTQCCPCPGTFSSASSSSSECCQPHRNCATGLA 180
QY 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECERAVIDVFVAFODISIKRLQRLQALFAPE 240
DB 181 LNVGSSSHDTLCTSCGFPLSTRVPGAEECERAVIDVFVAFODISIKRLQRLQALFAPE 240
QY 241 GWGTPPRAGRAALQKLRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300
DB 241 GWGTPPRAGRAALQKLRRLTELLGAODGALLVRLQALRVAMPGLERSVREERFLPVH 300

RESULT 14

US-09-523-323-52
Sequence 52, Application US/09523323
GENERAL INFORMATION:
APPLICANT: Ebner, Reinhard
APPLICANT: Yu, Guo-Liang
APPLICANT: Ruben, Steven M.
APPLICANT: Ullrich, Stephen
TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
FILE REFERENCE: 1488,065000C
CURRENT APPLICATION NUMBER: US/09/523,323
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/168,380
PRIOR FILING DATE: 1999-12-02
PRIOR APPLICATION NUMBER: 60/148,326
PRIOR FILING DATE: 1999-08-11
PRIOR APPLICATION NUMBER: 60/142,657
PRIOR FILING DATE: 1999-07-06
PRIOR APPLICATION NUMBER: 60/137,457
PRIOR FILING DATE: 1999-06-04
PRIOR APPLICATION NUMBER: 60/124,041
PRIOR FILING DATE: 1999-03-11
PRIOR APPLICATION NUMBER: 09/252,656
PRIOR FILING DATE: 1999-02-19
PRIOR APPLICATION NUMBER: 60/075,409
PRIOR FILING DATE: 1998-02-20
PRIOR APPLICATION NUMBER: 09/027,287
PRIOR FILING DATE: 1998-02-20
PRIOR APPLICATION NUMBER: 09/003,886
PRIOR FILING DATE: 1998-01-07
PRIOR APPLICATION NUMBER: 08/822,953
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: 60/013,923
PRIOR FILING DATE: 1996-03-22
PRIOR APPLICATION NUMBER: 60/030,157
PRIOR FILING DATE: 1996-10-31
NUMBER OF SEQ ID NOS: 70
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 52
LENGTH: 300
TYPE: PRT
ORGANISM: Homo sapiens
US-09-523-323-52

Query Match 100.0%; Score 1634; DB 19; Length 300;
Best Local Similarity 100.0%; Pred. No. 7,6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
DB 1 MRALEGGSLCLCLVIALPALPVPVAVGVAETPTYPWRDAETGERLVCAQCPCPGTFVQR 60
QY 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120
DB 61 PCRRDSEPTTCGCPRRHYTGFWMYLERCRVCNVLCGEREEERACHATHNRACRCRTGFF 120

```

OY 121 AHAGFLEHNASCPGAGVIAPTSONTOCPCPPGTFSSASSSSSEOCOPHRNCTALGLA 180
    |||||||
DB 121 AHAGFLEHNASCPGAGVIAPTSONTOCPCPPGTFSSASSSSSEOCOPHRNCTALGLA 180
OY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLORLLQALEAPE 240
    |||||||
DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLORLLQALEAPE 240
OY 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERFLPVH 300
    |||||||
DB 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERFLPVH 300

```

RESULT 15

```

US-60-137-457-52
: Sequence 52, Application US/60137457
: GENERAL INFORMATION:
: APPLICANT: Edner, Reinhard
: APPLICANT: Yu, Guo-Liang
: APPLICANT: Ruben, Steven M.
: APPLICANT: Zhang, Jun
: APPLICANT: Ullrich, Stephen
: APPLICANT: Zhai, Yifan
: TITLE OF INVENTION: Apoptosis Inducing Molecule II and Methods of Use
: FILE REFERENCE: 1488.0650008
: CURRENT APPLICATION NUMBER: US/60/137,457
: CURRENT FILING DATE: 1999-06-04
: NUMBER OF SEQ ID NOS: 61
: SOFTWARE: Patent In Ver. 2.0
: SEQ ID NO 52
: LENGTH: 300
: TYPE: PRT
: ORGANISM: Homo sapiens
US-60-137-457-52

```

```

Query Match 100.0%; Score 1634; DB 23; Length 300;
Best Local Similarity 100.0%; Pred. No. 7, 6e-120;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

```

OY 1 MRALGPGSLSLCLVLAIPALPVPVAVRGVAETPTYPMWDAETGERLVCAQCPPTGFVOR 60
    |||||||
DB 1 MRALGPGSLSLCLVLAIPALPVPVAVRGVAETPTYPMWDAETGERLVCAQCPPTGFVOR 60
OY 61 PCRDSPTTCGPPCPPHYTOFWNYLERRCYCNVLCGEREEARACHATNHRACRCRTGFF 120
    |||||||
DB 61 PCRDSPTTCGPPCPPHYTOFWNYLERRCYCNVLCGEREEARACHATNHRACRCRTGFF 120
OY 121 AHAGFLEHNASCPGAGVIAPTSONTOCPCPPGTFSSASSSSSEOCOPHRNCTALGLA 180
    |||||||
DB 121 AHAGFLEHNASCPGAGVIAPTSONTOCPCPPGTFSSASSSSSEOCOPHRNCTALGLA 180
OY 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLORLLQALEAPE 240
    |||||||
DB 181 LNVPGSSSHDTLCTSGTGFPLSTRVPGAECERAVIDFVAFODISIKRLORLLQALEAPE 240
OY 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERFLPVH 300
    |||||||
DB 241 GMSGPTPRAGRAALQTLKRLRRLTELLGAQDQALLVRLLOALRVARMGGLERSVREERFLPVH 300

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Search completed: May 23, 2001, 16:05:17
Job time: 690 sec

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RESULT 2
US-08-706-945B-133
Sequence 133, Application US/08706945B
GENERAL INFORMATION:
APPLICANT: Boyle, William
APPLICANT: Lacey, David
APPLICANT: Calzone, Frank
APPLICANT: Chang, Ming-shi
TITLE OF INVENTION: Osteoprotegerin
FILE REFERENCE: A-378C1P
CURRENT APPLICATION NUMBER: US/08/706,945B
CURRENT FILING DATE: 2001-04-18

```

      :
      :
      :   LENGTH: 174
      :   TYPE: PRT
      : ORGANISM: Homo sapiens
US-08-706-945b-133

```

Query Match	24.1%;	Score	394;	DB 4;	Length	174;			
Best Local Similarity	44.6%;	Pred. No.	1.3e-24;						
Matches	66;	Conservative	23;	Mismatches	59;	Indels	0;	Gaps	0;

0y	34	PTTWMRAENGELRYVCAQCCPPGTEVVRQPCRDSPSTTGCPSPRIAYTOFMWLEECRCAN	93
	1	1 1	
Db	26	PKYLHYDPETGROLDQDKCAFGYLKHCIVRKTLTCLVPCRDYSTDSMTSDSECVYCSF	85
0y	94	LCGRDEEAACHTNHNARACSRGTGFALHAGFCLLEHNSCPGAGVIAIPRPSNTOGRC	155
	1	1 1	
Db	86	VCKELQTVVKKDCNNTNHNVCDESGRIULEFCLKHSNCPGGLAVLDAGTIPERTITVKKRC	145

```

OY      154  PPGTFSSASSSSSEQCQPHRNCTALGLAL 181
          | | | | : | | | : | | | |
Db      146  PDGFFSGETSSKAPCRKHTNCCSLGLLL 173

```

```

1 RESULT 3
2 US-08-706-945B-139
3 : Sequence 139, Application US/08706945B
4 : GENERAL INFORMATION:
5 :
6 : APPLICANT: Boyle, William
7 : APPLICANT: Lacey, David
8 : APPLICANT: Calzone, Frank
9 : APPLICANT: Chang, Ming-Shi
10 : TITLE OF INVENTION: Osteoprotegerin
11 : FILE REFERENCE: A-378CIP
12 : CURRENT APPLICATION NUMBER: US/08/706,945B
13 : CURRENT FILING DATE: 2001-04-18
14 : PRIOR APPLICATION NUMBER: 08/577,788
15 : PRIOR FILING DATE: 1995-12-22
16 : NUMBER OF SEQ ID NOS: 142
17 : SOFTWARE: PatentIn version 3.0
18 : SEQ ID NO 139
19 : LENGTH: 364
20 :
21 : TYPE: PRT
22 :
23 : ORGANISM: Mus musculus
24 :
25 : US-08-706-945B-139

```

Query Match	23.6%	Score 385.5	DB 4	Length 364
Best Local Similarity	38.0%	Pred. No. 1.4e-23		
Matches 71; Conservative	27	Mismatches 68	Indels 21	Gaps 3

[illegible]

QY	212	ERAVIDF	218
Db	166	EAAFFRF	172

RESULT 4

US-08-706-945B-138
; Sequence 138, Application US/08706945B
: GENERAL INFORMATION:

```

: PRIOR APPLICATION NUMBER: 08/577,788
:
: PRIOR FILING DATE: 1995-12-22
:
: NUMBER OF SEQ ID NOS: 142
:
: SOFTWARE: PatentIn version 3.0
:
: C:\Program Files\

```

```

;      TYPE: PRT
;
;      ORGANISM: Homo sapiens
US-08-706-945B-138

```

[illegible]

D6	109	P D G F S E T S K A P C I K H N C S T F G L L I O K N A T H D N V --- C S G N R E A T Ö K G C I D V T L C	165
QY	212	E R A V I D F V A F O D I S I R K L Q R L O A L	236
D6	166	E E A F F R A V P K T I I P M W L S V L V D S L	190

Query Match	22.8%	Score 373	DB 4	Length 139
Best Local Similarity	43.5%	Pred	4	6e-23
Matches 60	Conservative 23	Mismatches 55	Indels 0	Gaps 0

OY 34 PLYPWRDAETGERLYCAQCSPESTFVQRRCRDSPPTCGSRPRHHYTGFWNYLECRICYNV 93
| | : : : : : : | | : : : :
Db 2 PKLHYDEESHQLCDKSPRSTYLKONSTAKWKIVGACARSDNYTDSMHTSDECLYCSP 61

QY 94 LCGEEREERACHATHNRACRGTGFFAHAGFLEHASCPRGAGVIAPGTPSONTOCOPC 153
DB 62 VCKELOYVAKOECRTHNRVCECKEGRYLLEIFCLKHSRCPGPGVVOAGTPERNITVCKRC 121
QY 154 PGCTFSASSSSSFCOPH 171
DB 122 PDGFFSNETSCKAPCRKH 139

RESULT 6
US-09-826-212-4
Sequence 4, Application US/09826212
GENERAL INFORMATION:
APPLICANT: Wei, Ying-Pei
APPLICANT: Gentz, Reiner
APPLICANT: Ruben, Steven
APPLICANT: Ni, Jian
TITLE OF INVENTION: Tumor Necrosis Factor Receptor 5
FILE REFERENCE: 1488.128006
CURRENT APPLICATION NUMBER: US/09/826, 212
CURRENT FILING DATE: 2001-04-05
NUMBER OF SEQ ID NOS: 26
SOFTWARE: PatentIn version 3.0
SEQ ID NO: 4
LENGTH: 461
TYPE: PRT
ORGANISM: Homo sapiens
US-09-826-212-4

Query Match 21.6%; Score 353.5; DB 5; Length 461;
Best Local Similarity 29.8%; Pred. No. 5.7e-21;
Matches 96; Conservative 43; Mismatches 122; Indels 61; Gaps 12;

QY 8 GLSLCLVIALPALPVPVAVGVAETPTYPWRDAETGE-----RLVCAOCPPG 55
DB 13 GLELMAAAHALPA-----QVAFTPYAP-----EPGSTRLEREYDQTAKMCCSKCSPG 60
QY 56 TFVQRCRDRSDPTTCGRCPPRHITQFWNYLERCRYCNVLGGEEREERACHATHNRACRC 115
DB 61 QHAKVCTKTSIDVDCSDCEDSTYTOLMNVPECLSCGSRSSDOVEQTACTRBNRITCTC 120
QY 116 RTGFFAHAG-----FCLHASCPRGAGVIAPGTPSONTOCOPCPGTFSSASSSSFCOPC 169
DB 121 RFGWYCALSKQECRCILAPLRKCRPGFVARPGETISDVYCKFCACPGTISNTSSDIDICR 180
QY 170 PHRNCTALGLALNVPGSSSHDITCTGCTGFPPLSTRVGAEECEERAVIDFAFODISIKRL 229
DB 181 PHQICNVVA-----IPGNASDAVCTSTS--PTRSMAPGAHLRQPV-----STRSQHT 227
QY 230 QRLQALEAPE-----GWGCTPRA-----GRAIQLKLRRLTELLCAQDALLVRLLOAL 280
DB 228 QPPEPSTAPSTSFLLPMGSPPAEGSTGDFALPVLGIVGTAL-----GLLIIGVNCV 282
QY 281 ---RVARMP-GLEERSVREPLP 298
DB 283 IMTQVKKKPLCLOREAKVPHLP 304

RESULT 7
US-09-800-909-2
Sequence 2, Application US/09800909
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BIGDA, Jacek
APPLICANT: BELETSKY, Igor
APPLICANT: METT, Igor
APPLICANT: ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK

STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,909
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-12A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 461 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-800-909-2

Query Match 21.5%; Score 351.5; DB 5; Length 461;
Best Local Similarity 29.8%; Pred. No. 8.2e-21;
Matches 96; Conservative 43; Mismatches 122; Indels 61; Gaps 12;

QY 8 GLSLCLVIALPALPVPVAVGVAETPTYPWRDAETGE-----RLVCAOCPPG 55
DB 13 GLELMAAAHALPA-----QVAFTPYAP-----EPGSTRLEREYDQTAKMCCSKCSPG 60
QY 56 TFVQRCRDRSDPTTCGRCPPRHITQFWNYLERCRYCNVLGGEEREERACHATHNRACRC 115
DB 61 QHAKVCTKTSIDVDCSDCEDSTYTOLMNVPECLSCGSRSSDOVEQTACTRBNRITCTC 120
QY 116 RTGFFAHAG-----FCLHASCPRGAGVIAPGTPSONTOCOPCPGTFSSASSSSFCOPC 169
DB 121 RFGWYCALSKQECRCILAPLRKCRPGFVARPGETISDVYCKFCACPGTISNTSSDIDICR 180
QY 170 PHRNCTALGLALNVPGSSSHDITCTGCTGFPPLSTRVGAEECEERAVIDFAFODISIKRL 229
DB 181 PHQICNVVA-----IPGNASDAVCTSTS--PTRSMAPGAHLRQPV-----STRSQHT 227
QY 230 QRLQALEAPE-----GWGCTPRA-----GRAIQLKLRRLTELLCAQDALLVRLLOAL 280
DB 228 QPPEPSTAPSTSFLLPMGSPPAEGSTGDFALPVLGIVGTAL-----GLLIIGVNCV 282
QY 281 ---RVARMP-GLEERSVREPLP 298
DB 283 IMTQVKKKPLCLOREAKVPHLP 304

RESULT 8
US-08-706-945B-131

Sequence 131, Application US/08706945B
GENERAL INFORMATION:
APPLICANT: Boyle, William
APPLICANT: Lacey, David
APPLICANT: Calzone, Frank
APPLICANT: Chang, Ming-Shi
TITLE OF INVENTION: Osteoprotegerin
FILE REFERENCE: A-378CIP
CURRENT APPLICATION NUMBER: US/08/706,945B
CURRENT FILING DATE: 2001-04-18
PRIOR APPLICATION NUMBER: 08/577,788
PRIOR FILING DATE: 1995-12-22
NUMBER OF SEQ ID NOS: 142
SOFTWARE: PatentIn version 3.0
SEQ ID NO 131
LENGTH: 227
TYPE: PRT
ORGANISM: Homo sapiens
US-08-706-945B-131

Query Match 21.2%; Score 346; DB 4; Length 227;
Best Local Similarity 33.8%; Pred. No. 1e-20;
Matches 74; Conservative 26; Mismatches 81; Indels 36; Gaps 6;

QY 8 GLSLCLVLPALLPVPVAVGVAETPTYPWRDAETGE-----RLVCAQCPG 55
DB 13 GLELMAAHLPA-----QVAFTPYAP---EPGSTCRLEYYDQTAMCCSKSPG 60
QY 56 TFVORPCRDSPPTGCPGPRPHYQFMNYLERCKCNVLCGEREEAACHATNRACRC 115
DB 61 QHAVFCTKTSDFVCDSCEDSTYQLMNMVPECLSGSCRSSDDVETQACTREONRICTC 120
QY 116 RTGFEAHAG-----FCLFHASCPGAGVIAPTPSONTGOCPCPGTFSASSSSSECO 169
DB 121 RFGWYCALSKQEGRLCALPKCRPGFVAPRGFTSIVYCKPCAPGFTSMTSTDICR 180
QY 170 PHRNCTALGIALNVPSSSHDTLCTSGTFPLSTRVPGA 208
DB 181 PHQICNVVA-----IPGNASRDVACTSTS--PTRSMAPGA 213

RESULT 9
US-09-458-338-14
Sequence 14, Application US/09458338
GENERAL INFORMATION:
APPLICANT: Bowen, Michael A.
APPLICANT: Siemers, Nathan
TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRAI")
FILE REFERENCE: DB16sequences
CURRENT APPLICATION NUMBER: US/09/458,338
CURRENT FILING DATE: 1999-12-10
PRIOR APPLICATION NUMBER: 60/111,826
PRIOR FILING DATE: 1998-12-11
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 14
LENGTH: 165
TYPE: PRT
ORGANISM: Homo sapiens
US-09-458-338-14

Query Match 19.7%; Score 322; DB 5; Length 165;
Best Local Similarity 35.9%; Pred. No. 5.4e-19;
Matches 56; Conservative 26; Mismatches 64; Indels 10; Gaps 2;

QY 46 RLVAQCPGTFVORPCRDSPPTGCPGPRPHYQFMNYLERCKCNVLCGEREEARAC 105
DB 14 QMCSKSPGQHAHVFCSTKTSDFVCDSCEDSTYQLMNMVPECLSGSCRSSDDVETQAC 73
QY 106 HATINRACRCHTGTGFANAG-----FCLFHASCPGAGVIAPTPSONTGOCPCPGTFS 159

DB 74 TREONRICTCPGMYCALSKQEGRLCALPKCRPGFVAPRGFTSDVYCKPCAPGTF 133
QY 160 ASSSSSECOQPHRNCTALGIALNVPSSSHDTLCTS 195
DB 134 NTSSTDICRPHQICNVVA-----IPGNASRDVACTS 165

RESULT 10
US-09-800-909-4
Sequence 4, Application US/09800909
GENERAL INFORMATION:
APPLICANT: WALLACH, David
APPLICANT: BIGDA, Jack
APPLICANT: BELETSKY, Igor
APPLICANT: METT, Igor
APPLICANT: ENGELMANN, Hartmut
TITLE OF INVENTION: TNF INHIBITORS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
ADDRESSEE: BROWDY AND NEIMARK
STREET: 419 Seventh Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/800,909
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/476,862
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 94039
FILING DATE: 06-APR-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 91229
FILING DATE: 06-AUG-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: IL 90339
FILING DATE: 18-MAY-1989
ATTORNEY/AGENT INFORMATION:
NAME: BROWDY, Roger L.
REGISTRATION NUMBER: 25,618
REFERENCE/DOCKET NUMBER: WALLACH-12A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEPHONE: 202-737-3528
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 163 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-800-909-4

Query Match 19.5%; Score 318; DB 5; Length 163;
Best Local Similarity 35.5%; Pred. No. 1.1e-18;
Matches 55; Conservative 27; Mismatches 63; Indels 10; Gaps 2;

QY 46 RLVAQCPGTFVORPCRDSPPTGCPGPRPHYQFMNYLERCKCNVLCGEREEARAC 105
DB 13 QMCSKSPGQHAHVFCSTKTSDFVCDSCEDSTYQLMNMVPECLSGSCRSSDDVETQAC 72
QY 106 HATINRACRCHTGTGFANAG-----FCLFHASCPGAGVIAPTPSONTGOCPCPGTFS 159

Db 73 TREONRIGTCRPGMYCALSKQEGCRLCAPLRKCRPGCVARPGETJSDVYVCKPCAPCTFS 132
OY 160 ASSSSSEOCOPHRNCTALGLALNVPSSSHDTCT 194
Db 133 NTTSTFDCRPHQICNVVA----IPGNASMDAVCT 163
RESULT 11
US-09-458-338-8
; Sequence 8, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 8
; LENGTH: 310
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-8

Query Match 17.6%; Score 287; DB 5; Length 310;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;

OY 35 TYPMRDAETGERLVCAACCPGTGVORPCRDSPPTTCGCPPRHYTOFWNLERCRCYNVL 94
Db 12 TYRHVDATGQVLTCDKCPAGTYVSEHCNTSLRVCSCEVGTFTRENGIEKCHDCSOP 71
OY 95 CGEREERARACHATNHRACRCRTGFFAHAGFCLEHASCPRGAGVIAPGTPSONTQOCOPCP 154
Db 72 CPMPIEKLPCALTLTDECTCPGPMFOSNATCAPIHTVCPVGMGVRKKGTETEDVRCKOCA 131
OY 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFPPLST 203
Db 132 RGTFSVDPSSVMKCAKAYTDCLSQNLVYIKPGTKETDNVCGTLPFSFSST 180
RESULT 12
US-09-458-338-7
; Sequence 7, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 7
; LENGTH: 614
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-7

Query Match 17.6%; Score 287; DB 5; Length 614;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;

OY 95 CGEREERARACHATNHRACRCRTGFFAHAGFCLEHASCPRGAGVIAPGTPSONTQOCOPCP 154
Db 72 CPMPIEKLPCALTLTDECTCPGPMFOSNATCAPIHTVCPVGMGVRKKGTETEDVRCKOCA 131
OY 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFPPLST 203
Db 132 RGTFSVDPSSVMKCAKAYTDCLSQNLVYIKPGTKETDNVCGTLPFSFSST 180

RESULT 13
US-09-458-338-6
; Sequence 6, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 631
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-6

Query Match 17.6%; Score 287; DB 5; Length 631;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;

OY 35 TYPMRDAETGERLVCAACCPGTGVORPCRDSPPTTCGCPPRHYTOFWNLERCRCYNVL 94
Db 29 TYRHVDATGQVLTCDKCPAGTYVSEHCNTSLRVCSCEVGTFTRENGIEKCHDCSOP 88
OY 95 CGEREERARACHATNHRACRCRTGFFAHAGFCLEHASCPRGAGVIAPGTPSONTQOCOPCP 154
Db 89 CPMPIEKLPCALTLTDECTCPGPMFOSNATCAPIHTVCPVGMGVRKKGTETEDVRCKOCA 148
OY 155 PGTFASASSSEOCOPHRNCTALGLALNVPSSSHDTCTSCGTGFPPLST 203
Db 149 RGTFSVDPSSVMKCAKAYTDCLSQNLVYIKPGTKETDNVCGTLPFSFSST 197

RESULT 14
US-09-458-338-5
; Sequence 5, Application US/09458338
; GENERAL INFORMATION:
; APPLICANT: Bowen, Michael A.
; APPLICANT: Stiemers, Nathan
; TITLE OF INVENTION: TUMOR NECROSIS FACTOR RECEPTOR HOMOLOGUE-1 ("TRH1")
; FILE REFERENCE: DBISequences
; CURRENT APPLICATION NUMBER: US/09/458,338
; CURRENT FILING DATE: 1999-12-10
; PRIOR APPLICATION NUMBER: 60/111,826
; PRIOR FILING DATE: 1998-12-11
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 655
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-458-338-5

Query Match 17.6%; Score 287; DB 5; Length 655;
Best Local Similarity 34.3%; Pred. No. 1.3e-15;
Matches 58; Conservative 23; Mismatches 88; Indels 0; Gaps 0;

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OM protein - protein search, using sw model

Run on: May 23, 2001, 16:05:41 ; Search time 19.57 Seconds

(Without alignments)
166.880 Million cell updates/sec

Title: US-09-518-931-4

Perfect score: 170

Sequence: 1 MRALGPGSLCLVLAALPA.....PRSGRCRGQVAGPSLAP 170

Scoring table: OLIGO

Gapop 60.0 , Gapext 60.0

Searched: 185757 seqs, 19210857 residues

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Minimum DB seq length: 0

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Post-processing: Listing first 1000 summaries

Database : Issued Patents, AA:*

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6: /cgn2_6/ptodata/2/1aa/6D.COMB.pep:*

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	142	83.5	300	2	US-08-794-796-2
2	8	4.7	1172	1	US-08-313-288B-19
3	7	4.1	1611	2	US-08-804-227C-5
4	6	3.5	9	2	US-08-482-651-10
5	6	3.5	9	4	US-08-660-092-13
6	6	3.5	70	4	US-09-188-930-131
7	6	3.5	100	1	US-08-473-981A-11
8	6	3.5	100	2	US-08-474-087-11
9	6	3.5	126	4	US-08-513-974B-28
10	6	3.5	135	2	US-08-757-036-3
11	6	3.5	142	2	US-08-164-292B-20
12	6	3.5	142	3	US-08-845-623-20
13	6	3.5	142	3	US-08-815-927-20
14	6	3.5	144	4	US-08-513-974B-366
15	6	3.5	144	4	US-08-513-974B-369
16	6	3.5	150	2	US-08-851-188-1
17	6	3.5	150	2	US-08-851-188-3
18	6	3.5	159	2	US-08-851-188-4
19	6	3.5	180	2	US-08-791-495-7
20	6	3.5	183	6	5168049-4
21	6	3.5	203	3	US-09-106-182-3
22	6	3.5	206	4	US-08-513-974B-27
23	6	3.5	210	2	US-08-791-495-5
24	6	3.5	220	2	US-08-840-683-8
25	6	3.5	223	4	US-08-513-974B-315
26	6	3.5	223	4	US-08-513-974B-364
27	6	3.5	223	4	US-08-513-974B-368

28	6	3.5	283	5	PCT-US96-12374-2	Sequence 2, Appli
29	6	3.5	287	1	US-07-971-092-2	Sequence 2, Appli
30	6	3.5	287	6	5198342-2	Patent No. 5198342
31	6	3.5	317	2	US-08-555-722-8	Sequence 8, Appli
32	6	3.5	346	2	US-08-602-359A-14	Sequence 34, Appli
33	6	3.5	370	4	US-08-513-974B-26	Sequence 26, Appli
34	6	3.5	370	4	US-08-513-974B-323	Sequence 323, App
35	6	3.5	370	4	US-09-172-353-2	Sequence 2, Appli
36	6	3.5	370	4	US-09-172-353-3	Sequence 3, Appli
37	6	3.5	370	4	US-09-172-353-5	Sequence 5, Appli
38	6	3.5	370	4	US-09-172-353-7	Sequence 7, Appli
39	6	3.5	414	4	US-09-067-626-4	Sequence 4, Appli
40	6	3.5	427	3	US-08-448-722A-4	Sequence 4, Appli
41	6	3.5	434	3	US-09-012-072-4	Sequence 4, Appli
42	6	3.5	434	4	US-09-120-601-4	Sequence 4, Appli
43	6	3.5	437	3	US-09-073-569-2	Sequence 2, Appli
44	6	3.5	448	4	US-09-120-601-6	Sequence 6, Appli
45	6	3.5	457	6	5268463-7	Patent No. 5268463
46	6	3.5	480	2	US-08-425-989B-11	Sequence 11, Appli
47	6	3.5	498	5	PCT-US94-01101-2	Sequence 2, Appli
48	6	3.5	531	2	US-08-789-078-3	Sequence 3, Appli
49	6	3.5	531	2	US-08-752-633-3	Sequence 3, Appli
50	6	3.5	531	5	PCT-US95-04886-3	Sequence 3, Appli
51	6	3.5	532	1	US-07-618-286-1	Sequence 1, Appli
52	6	3.5	532	1	US-08-195-003-3	Sequence 3, Appli
53	6	3.5	532	2	US-08-483-389-118	Sequence 118, App
54	6	3.5	532	2	US-08-689-870-12	Sequence 12, Appli
55	6	3.5	532	3	US-08-933-824-3	Sequence 3, Appli
56	6	3.5	532	6	5284931-2	Patent No. 5284931
57	6	3.5	554	1	US-08-106-761-2	Sequence 2, Appli
58	6	3.5	587	1	US-08-398-008A-23	Sequence 23, Appli
59	6	3.5	587	2	US-07-955-905A-23	Sequence 2, Appli
60	6	3.5	587	2	US-08-893-333-2	Sequence 2, Appli
61	6	3.5	589	2	US-08-453-848-13	Sequence 13, Appli
62	6	3.5	594	2	US-08-785-310A-6	Sequence 6, Appli
63	6	3.5	751	2	US-08-836-443-3	Sequence 3, Appli
64	6	3.5	809	5	PCT-US91-01726-3	Sequence 3, Appli
65	6	3.5	899	1	US-08-365-688-2	Sequence 2, Appli
66	6	3.5	899	1	US-08-145-188A-2	Sequence 2, Appli
67	6	3.5	933	1	US-07-747-781-2	Sequence 2, Appli
68	6	3.5	933	5	PCT-US92-06888-2	Sequence 2, Appli
69	6	3.5	983	2	US-08-164-292B-26	Sequence 26, Appli
70	6	3.5	983	3	US-08-845-623-26	Sequence 26, Appli
71	6	3.5	983	3	US-08-815-927-26	Sequence 26, Appli
72	6	3.5	1011	4	US-08-836-325-2	Sequence 2, Appli
73	6	3.5	1248	4	US-08-882-046-6	Sequence 6, Appli
74	6	3.5	1294	2	US-08-819-288-3	Sequence 3, Appli
75	6	3.5	1296	3	US-08-728-603-15	Sequence 15, Appli
76	6	3.5	1321	1	US-08-261-882A-3	Sequence 3, Appli
77	6	3.5	1321	5	PCT-US95-07744A-3	Sequence 3, Appli
78	6	3.5	1375	3	US-08-665-259-26	Sequence 26, Appli
79	6	3.5	1375	3	US-08-762-500-26	Sequence 26, Appli
80	6	3.5	1410	4	US-09-335-409-3	Sequence 3, Appli
81	6	3.5	1503	4	US-08-976-255-14	Sequence 14, Appli
82	6	3.5	1835	4	US-08-836-325-15	Sequence 15, Appli
83	6	3.5	1835	4	US-08-836-325-16	Sequence 16, Appli
84	6	3.5	1964	4	US-08-836-325-10	Sequence 10, Appli
85	6	3.5	1989	4	US-08-836-325-11	Sequence 11, Appli
86	6	3.5	1989	4	US-08-836-325-12	Sequence 12, Appli
87	6	3.5	1996	2	US-08-804-227C-9	Sequence 9, Appli
88	6	3.5	1996	2	US-08-804-198-3	Sequence 3, Appli
89	6	3.5	2647	2	US-08-583-562B-8	Sequence 8, Appli
90	6	3.5	2647	2	US-08-779-113-8	Sequence 8, Appli
91	6	3.5	3033	1	US-07-925-695-9	Sequence 9, Appli
92	6	3.5	3033	1	US-07-925-695-9	Sequence 9, Appli

ALIGNMENTS

RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796

Patent No. 5885800
GENERAL INFORMATION:
APPLICANT: Emery, John
APPLICANT: Tan, KB
APPLICANT: Truneh, Alem
APPLICANT: Young, Peter
TITLE OF INVENTION: Tumor Necrosis Related Receptor,
TITLE OF INVENTION: TK4
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: USA
ZIP: 19406
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/794,796
FILING DATE: 04-FEB-1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Han, William T
REGISTRATION NUMBER: 34,344
REFERENCE/DOCKET NUMBER: GH50000
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5219
TELEFAX: 610-270-4026
TELEX:
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 300 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-794-796-2

Query Match 83.5%; Score 142; DB 2; Length 300;
Best local Similarity 100.0%; Pred. No. 5.8e-126;
Matches 142; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MRALEGGSLILCLVIALPALLPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQR 60
DB 1 MRALEGGSLILCLVIALPALLPVAVGVAETPTYPWRDAETGERLVCAQCPGTFVQR 60

QY 61 PCRDSTTTCGPPRRYTFQFWNTLECRNCNVLCGEREEARCACTHNRACRGTGFF 120
DB 61 PCRDSTTTCGPPRRYTFQFWNTLECRNCNVLCGEREEARCACTHNRACRGTGFF 120

QY 121 AHAGFCLHASCPPGAGVIAPG 142
DB 121 AHAGFCLHASCPPGAGVIAPG 142

RESULT 2
US-08-313-288B-19
Sequence 19, Application US/08313288B
Patent No. 5750502
GENERAL INFORMATION:
APPLICANT: Jessell, Thomas M. and Avihu Klar
TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:

ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,288B
FILING DATE: January 5, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
TELEX:
INFORMATION FOR SEQ. ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1172 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-313-288B-19

Query Match 4.7%; Score 8; DB 1; Length 1172;
Best local Similarity 100.0%; Pred. No. 14;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ALEGGSLIS 10
DB 102 ALEGGSLIS 109

RESULT 3
US-08-804-227C-5
Sequence 5, Application US/08804227C
Patent No. 5876991
GENERAL INFORMATION:
APPLICANT: Dehoff, Bradley S.
APPLICANT: Kuhstoss, Stuart A.
APPLICANT: Kosteck, Paul R., Jr.
TITLE OF INVENTION: POLYPEPTIDE SYNTHASE GENES
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: USA
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII(DOS) Text only
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,227C
FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231

TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 1611 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-804-227C-5

Query Match 4.1%; Score 7; DB 2; Length 1611;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 98 REEARA 104
|||||||
DB 1516 REEARA 1522

RESULT 4
US-08-482-651-10
Sequence 10, Application US/08482651
Patent No. 5874409
GENERAL INFORMATION:
APPLICANT: VICTORIA, Edward J.
APPLICANT: Margulis, David M.
TITLE OF INVENTION: APL IMMUNOREACTIVE PEPTIDES, CONUGATES
TITLE OF INVENTION: THEREOF AND METHODS OF TREATMENT FOR APL ANTIBODY-MEDIATED
TITLE OF INVENTION: PATHOLOGIES
NUMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,651
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Park, Freddie K.
REGISTRATION NUMBER: 35,636
REFERENCE/DOCKET NUMBER: 25231-20061.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: xyz (details pg. 16)
CLONE: 3B6
US-08-482-651-10

Query Match 3.5%; Score 6; DB 2; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 13 CLVAL 18
|||||||

DB 1 CLVAL 6

RESULT 5
US-08-660-092-13
Sequence 13, Application US/08660092
Patent No. 6207160
GENERAL INFORMATION:
APPLICANT: VICTORIA, Edward J.
APPLICANT: Margulis, David M.
APPLICANT: Jones, David S.
APPLICANT: Yu, Lin
TITLE OF INVENTION: APL IMMUNOREACTIVE PEPTIDES, CONUGATES
TITLE OF INVENTION: THEREOF AND METHODS OF TREATMENT FOR APL ANTIBODY-MEDIATED
TITLE OF INVENTION: PATHOLOGIES
NUMBER OF SEQUENCES: 216
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 755 PAGE MILL ROAD
CITY: PALO ALTO
STATE: CA
COUNTRY: USA
ZIP: 94304-1018
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/660,092
FILING DATE: 06-JUN-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Park, Freddie K.
REGISTRATION NUMBER: 35,636
REFERENCE/DOCKET NUMBER: 25231-20061.20
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 813-5600
TELEFAX: (415) 494-0792
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 9 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: xyz (details pg. 16)
CLONE: 3B6
US-08-660-092-13

Query Match 3.5%; Score 6; DB 4; Length 9;
Best Local Similarity 100.0%; Pred. No. 1.4e+05;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 13 CLVAL 18
|||||||
DB 1 CLVAL 6

RESULT 6
US-09-168-930-131
Sequence 131, Application US/09188930A
Patent No. 6150502
GENERAL INFORMATION:
APPLICANT: Watson, James D.
APPLICANT: Strachan, Lorna
APPLICANT: Sleeman, Matthew
APPLICANT: Onrust, Rene
APPLICANT: Murison, James Greg
TITLE OF INVENTION: Compositions Isolated From Skin Cells
TITLE OF INVENTION: and Methods For Their Use

FILE REFERENCE: 11000.1011c1
CURRENT APPLICATION NUMBER: US/09/188.930A
CURRENT FILING DATE: 1998-11-09
NUMBER OF SEQ ID NOS: 348
SOFTWARE: FASTSEQ for Windows Version 3.0
SEQ ID NO 131
LENGTH: 70
TYPE: PROT
ORGANISM: mouse
US-09-188-930-131

Query Match 3.5%; Score 6; DB 4; Length 70;
Best Local Similarity 100.0%; Pred. No. 95;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGISL 11
|||||
Db 63 GPGISL 68

RESULT 7
US-08-473-981A-11
Sequence 11, Application US/08473981A
Patent No. 5629162
GENERAL INFORMATION:
APPLICANT: defougerolles, Antonin R
TITLE OF INVENTION: METHODS OF IDENTIFYING AGENTS WHICH MODULATE
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W. SUITE 600
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/473,981A
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: MILLONIG, ROBERT C
REGISTRATION NUMBER: 34,395
REFERENCE/DOCKET NUMBER: 1011.0560004
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-473-981A-11

Query Match 3.5%; Score 6; DB 1; Length 100;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPALL 22
|||||
Db 9 ALPALL 14

RESULT 8
US-08-474-087-11
Sequence 11, Application US/08474087
Patent No. 5891841
GENERAL INFORMATION:
APPLICANT: de Fougerolles, Antonin R
TITLE OF INVENTION: METHODS OF USING INTERCELLULAR ADHESION MOLECULE-
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: STERNE, KESSLER, GOLDSTEIN & FOX, P.L.L.C.
STREET: 1100 NEW YORK AVENUE, N.W. SUITE 600
CITY: WASHINGTON
STATE: D.C.
COUNTRY: USA
ZIP: 20005
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,087
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/038,990
FILING DATE: 23-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/712,879
FILING DATE: 11-JUN-1991
ATTORNEY/AGENT INFORMATION:
NAME: MILLONIG, ROBERT C
REGISTRATION NUMBER: 34,395
REFERENCE/DOCKET NUMBER: 1011.0560003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 371-2600
TELEFAX: (202) 371-2540
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 100 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-474-087-11

Query Match 3.5%; Score 6; DB 2; Length 100;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPALL 22
|||||
Db 9 ALPALL 14

RESULT 9
US-08-513-974B-28
Sequence 28, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiko
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP

STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 28:
SEQUENCE CHARACTERISTICS:
LENGTH: 126 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-28

Query Match 3.5%; Score 6; DB 4; Length 126;
Best Local Similarity 100.0%; Pred. No. 1.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 15 VLALPA 20
DB 29 VLALPA 34

RESULT 10
US-08-757-036-3
Sequence 3, Application US/08757036
Patent No. 5843668
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Goli, Surya K.
TITLE OF INVENTION: HUMAN SQM1 PROTEIN HOMOLOG
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
STREET: 3174 Porter Drive
CITY: Palo Alto
STATE: CA
COUNTRY: US
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/757,036
FILING DATE: Herewith
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0170 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
TELEX:
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 135 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
IMMEDIATE SOURCE:
LIBRARY: GenBank
CLONE: 180233
US-08-757-036-3

Query Match 3.5%; Score 6; DB 2; Length 135;
Best Local Similarity 100.0%; Pred. No. 1.7e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 152 RSGGR 157
DB 111 RSGGR 116

RESULT 11
US-08-164-292B-20
Sequence 20, Application US/08164292B
Patent No. 5820868
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVEC, LUDVIG
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: MORRISON & FOERSTER
STREET: 345 California Street
CITY: San Francisco

STATE: California
COUNTRY: USA
ZIP: 94104-2675
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/164,292B
FILING DATE: 09-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: GRACEY, NANCY J.
REGISTRATION NUMBER: 28,216
REFERENCE/DOCKET NUMBER: 29310-20021.00
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 677-7000
TELEFAX: (415) 677-7522
TELEX: 34-0154
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 142 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-164-292B-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 12
US-08-845-623-20
Sequence 20, Application US/0845623A
Patent No. 6001591
GENERAL INFORMATION:
APPLICANT: BABIUK, LORNE A.
APPLICANT: TIRKOO, SURESH K.
APPLICANT: REDDY, POLICE S.
TITLE OF INVENTION: BOVINE ADENOVIRUS 3 GENOME
FILE REFERENCE: 293102002120
CURRENT APPLICATION NUMBER: US/08/845,623A
CURRENT FILING DATE: 1997-04-25
EARLIER APPLICATION NUMBER: 08/164,294
EARLIER FILING DATE: 1993-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 20
LENGTH: 142
TYPE: PRT
ORGANISM: Bovine adenovirus type 3
US-08-845-623-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 13
US-08-815-927-20
Sequence 20, Application US/08815927

Patent No. 6086890
GENERAL INFORMATION:
APPLICANT: MITTAL, SURESH K.
APPLICANT: GRAHAM, FRANK L.
APPLICANT: PREVIC, LUDVIG
APPLICANT: BABIUK, LORNE A.
TITLE OF INVENTION: RECOMBINANT PROTEIN PRODUCTION IN BOVINE ADENOVIRUS EXPRESSION
FILE REFERENCE: 293102002101
CURRENT APPLICATION NUMBER: US/08/815,927
CURRENT FILING DATE: 1997-03-13
EARLIER APPLICATION NUMBER: 08/164,294
EARLIER FILING DATE: 1993-12-09
NUMBER OF SEQ ID NOS: 34
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 20
LENGTH: 142
TYPE: PRT
ORGANISM: Bovine adenovirus type 3
US-08-815-927-20

Query Match 3.5%; Score 6; DB 3; Length 142;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 12 GPGSL 17

RESULT 14
US-08-513-974B-366
Sequence 366, Application US/08513974B
Patent No. 611439
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESSES:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
FAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 366:
SEQUENCE CHARACTERISTICS:
LENGTH: 144 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-366

Query Match 3.5% Score 6; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
|11111|
DB 38 VLALPA 43

RESULT 15
US-08-513-974B-369
Sequence 369, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
FAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 369:
SEQUENCE CHARACTERISTICS:
LENGTH: 144 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-369

Query Match 3.5% Score 6; DB 4; Length 144;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
|11111|
DB 38 VLALPA 43

RESULT 16
US-08-851-188-1
Sequence 1, Application US/08851188
Patent No. 5925542
GENERAL INFORMATION:
APPLICANT: Hillman, Jennifer L.
APPLICANT: Corley, Neil C.
APPLICANT: Shah, Purvi
TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
TITLE OF INVENTION: DELTA SUBUNIT
NUMBER OF SEQUENCES: 4

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 150 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: 2285337
;; CLONE: 2285337
;; US-08-851-188-1

Query Match 3.5%; Score 6; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
|||
DB 23 RDAETG 28

RESULT 17
US-08-851-188-3
;; Sequence 3, Application US/08851188
;; Patent No. 5925542
;; GENERAL INFORMATION:
;; APPLICANT: Hillman, Jennifer L.
;; APPLICANT: Corley, Neil C.
;; APPLICANT: Shah, Puryl
;; TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
;; TITLE OF INVENTION: DELTA SUBUNIT
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:

;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 150 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:
;; LIBRARY: GenBank
;; CLONE: 1565306
;; US-08-851-188-3

Query Match 3.5%; Score 6; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
|||
DB 23 RDAETG 28

RESULT 18
US-08-851-188-4
;; Sequence 4, Application US/08851188
;; Patent No. 5925542
;; GENERAL INFORMATION:
;; APPLICANT: Hillman, Jennifer L.
;; APPLICANT: Corley, Neil C.
;; APPLICANT: Shah, Puryl
;; TITLE OF INVENTION: NOVEL HUMAN PHOSPHODIESTERASE
;; TITLE OF INVENTION: DELTA SUBUNIT
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Incyte Pharmaceuticals, Inc.
;; STREET: 3174 Porter Drive
;; CITY: Palo Alto
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 94304
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/851,188
;; FILING DATE: Filed Herewith
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Billings, Lucy J.
;; REGISTRATION NUMBER: 36,749
;; REFERENCE/DOCKET NUMBER: PF-0284 US
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-855-0555
;; TELEFAX: 415-845-4166
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 159 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; IMMEDIATE SOURCE:

LIBRARY: GenBank
CLONE: 540267
US-08-851-188-4

Query Match
Best Local Similarity 100.0%; Score 6; DB 2; Length 159;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 39 RDAETG 44
DB 32 RDAETG 37

RESULT 19
US-08-791-495-7
Sequence 7, Application US/08791495
Patent No. 5811519
GENERAL INFORMATION:
APPLICANT: Leth, Bernard
APPLICANT: Lucas, Sophie
APPLICANT: De Smet, Charles
APPLICANT: Godelaine, Daniele
APPLICANT: Boon-Falleur, Thierry
TITLE OF INVENTION: LL-1 TUMOR SPECIFIC GENES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,495
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Van Amsterdam, John R.
REGISTRATION NUMBER: 40,212
REFERENCE/DOCKET NUMBER: L0461/7005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
INFORMATION FOR SEQ. ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 180 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-791-495-7

Query Match
Best Local Similarity 100.0%; Score 6; DB 2; Length 180;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 147 RCGAPR 152
DB 57 RCGAPR 62

RESULT 20
5168049-4
Patent No. 5168049
APPLICANT: MEADE, HARRY M.; GARWIN, JEFFREY L.
TITLE OF INVENTION: PRODUCTION OF STREPTAVIDIN-LIKE
POLYPEPTIDES

NUMBER OF SEQUENCES: 6
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/185,329
FILING DATE: 21-APR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 656,873
FILING DATE: 02-OCT-1984
SEQ ID NO: 4
LENGTH: 183
5168049-4

Query Match
Best Local Similarity 100.0%; Score 6; DB 6; Length 183;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 LEGPGL 9
DB 29 LEGPGL 34

RESULT 21
US-09-106-182-3
Sequence 3, Application US/09106182
Patent No. 6046035
GENERAL INFORMATION:
APPLICANT: Shi, Yanguu
APPLICANT: Ruben, Steve
TITLE OF INVENTION: Cardiotrophin-Like Cytokine
NUMBER OF SEQUENCES: 24
CORRESPONDENCE ADDRESS:
ADDRESSEE: Human Genome Sciences, Inc
STREET: 9410 Key West Ave
CITY: Rockville
STATE: MD
COUNTRY: US
ZIP: 20850
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/106,182
FILING DATE: Herewith
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/051,053
FILING DATE: 30-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Brookes, A. Anders
REGISTRATION NUMBER: 36,373
REFERENCE/DOCKET NUMBER: PF385
TELECOMMUNICATION INFORMATION:
TELEPHONE: 301-309-8504
TELEFAX: 301-309-8439
INFORMATION FOR SEQ. ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 203 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-106-182-3

Query Match
Best Local Similarity 100.0%; Score 6; DB 3; Length 203;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPALL 22
DB 96 ALPALL 101

```

RESULT 22
US-08-513-974B-27
; Sequence 27, Application US/08513974B
; Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 27:

```

```

SEQUENCE CHARACTERISTICS:
LENGTH: 206 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-27

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Query Match 3.5%; Score 6; DB 4; Length 206;
Best Local Similarity 100.0%; Pred. No. 2.4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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OY 15 VLALPA 20
Db 109 VLALPA 114

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```

RESULT 23
US-08-791-495-5
; Sequence 5, Application US/08791495
; Patent No. 581519
GENERAL INFORMATION:
APPLICANT: Leth, Bernard
APPLICANT: Lucas, Sophie
APPLICANT: De Smet, Charles
APPLICANT: Godelaine, Thierie
APPLICANT: Boon-Falleur, Thierry
TITLE OF INVENTION: LI-1 TUMOR SPECIFIC GENES
NUMBER OF SEQUENCES: 14
CORRESPONDENCE ADDRESS:
ADDRESSEE: Wolf, Greenfield & Sacks, P.C.
STREET: 600 Atlantic Avenue
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/791,495
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Van Amsterdam, John R.
REGISTRATION NUMBER: 40,212
REFERENCE/DOCKET NUMBER: L0461/7005
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-720-3500
TELEFAX: 617-720-2441
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 210 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-791-495-5

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```

Query Match 3.5%; Score 6; DB 2; Length 210;
Best Local Similarity 100.0%; Pred. No. 2.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

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OY 147 RGCAPR 152
Db 57 RGCAPR 62

```

```

RESULT 24
US-08-840-683-8

```

Sequence 8, Application US/08840683
Patent No. 5821051
GENERAL INFORMATION:
APPLICANT: Androphy, Elliot J.
APPLICANT: Chen, Jason J.
TITLE OF INVENTION: E6-BINDING PROTEINS
NUMBER OF SEQUENCES: 17
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/840,683
FILING DATE: 29-APR-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/273,059
FILING DATE: 08-JUL-1994
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 220 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: N-terminal
US-08-840-683-8

Query Match 3.5%; Score 6; DB 2; Length 220;
Best local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 6 GPGSL 11
Db 68 GPGSL 73

RESULT 25
US-08-513-974B-315
Sequence 315, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ontaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiko
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 336
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 315:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-315

Query Match 3.5%; Score 6; DB 4; Length 223;
Best local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 15 VIALPA 20
Db 117 VIALPA 122

RESULT 26
US-08-513-974B-364
Sequence 364, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji

APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 364:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-364

Query Match 3.5%; Score 6; DB 4; Length 223;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
OY 15 VLALPA 20
Db 117 VLALPA 122
RESULT 27
US-08-513-974B-368
Sequence 368, Application US/08513974B
Patent No. 614139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhito
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994

ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 368:
SEQUENCE CHARACTERISTICS:
LENGTH: 223 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-368

Query Match 3.5%; Score 6; DB 4; Length 223;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
|||||
DB 117 VLALPA 122

RESULT 28
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESS: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 3.5%; Score 6; DB 5; Length 283;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 52 CPPGTF 57
|||||
DB 165 CPPGTF 170

RESULT 29
US-07-971-092-2
Sequence 2, Application US/07971092
Patent No. 5328987
GENERAL INFORMATION:
APPLICANT: Maliszewski, Charles R.
TITLE OF INVENTION: Huiga FC Receptor
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Immunex
STREET: 51 University
CITY: Seattle
STATE: WA
COUNTRY: USA
ZIP: 98101
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/971,092
FILING DATE: 19921104
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Perkins, Patricia A.
REGISTRATION NUMBER: 34693
REFERENCE/DOCKET NUMBER: 2603
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 287 amino acids
TYPE: AMINO ACID
TOPOLOGY: linear
MOLECULE TYPE: protein
US-07-971-092-2

Query Match 3.5%; Score 6; DB 1; Length 287;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 11 LILCVL 16
|||||
DB 8 LILCVL 13

RESULT 30
5198342-2
Patent No. 5198342
APPLICANT: MALISZEWSKI, CHARLES R.
TITLE OF INVENTION: DNA ENCODING IGA FC RECEPTORS
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/548,059
FILING DATE: 05-JUL-1990
SEQ ID NO: 2:
LENGTH: 287
5198342-2

Query Match 3.5%; Score 6; DB 6; Length 287;
Best Local Similarity 100.0%; Pred. No. 3.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 11 LILCVL 16
|||||
DB 8 LILCVL 13

RESULT 31
US-08-555-722-8

Sequence 8, Application US/08555722
Patent No. 5989804
GENERAL INFORMATION:
APPLICANT: Androphy, Elliot J.
APPLICANT: Chen, Jason J.
TITLE OF INVENTION: E6-BINDING PROTEINS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street
City: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/555,722
FILING DATE: 14-NOV-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Myers, Louis
REGISTRATION NUMBER: 35,965
REFERENCE/DOCKET NUMBER: NEP-003
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEFAX: (617) 227-5941
INFORMATION FOR SEQ. ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 317 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-555-722-8

Query Match 3.5%; Score 6; DB 2; Length 317;
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
DB 166 GPGSL 171

RESULT 32
US-08-602-359A-34
Sequence 34, Application US/08602359A
Patent No. 5942430
GENERAL INFORMATION:
APPLICANT: ROBERTSON, Daniel E.
APPLICANT: MURPHY, Dennis
APPLICANT: REID, John
APPLICANT: MAFFIA, Anthony
APPLICANT: LINK, Steven
APPLICANT: SWANSON, Ronald V.
APPLICANT: WARREN, Patrick V.
APPLICANT: KOSMOTKA, Anna
TITLE OF INVENTION: ESTERASES
NUMBER OF SEQUENCES: 42
CORRESPONDENCE ADDRESS:
ADDRESSEE: FISH & RICHARDSON P. C.
STREET: 4225 EXECUTIVE SQUARE, STE 1400
CITY: LA JOLLA
STATE: CALIFORNIA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 INCH DISKETTE
COMPUTER: IBM PS/2

OPERATING SYSTEM: MS-DOS
SOFTWARE: WORD PERFECT 6.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,359A
FILING DATE: February 16, 1996
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: HATLE, LISA A.
REGISTRATION NUMBER: 38,347
REFERENCE/DOCKET NUMBER: 09010/010001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-678-5070
TELEFAX: 619-678-5099
INFORMATION FOR SEQ. ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 346 AMINO ACIDS
TYPE: AMINO ACID
TOPOLOGY: LINEAR
MOLECULE TYPE: PROTEIN
US-08-602-359A-34

Query Match 3.5%; Score 6; DB 2; Length 346;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 132 CPGAG 137
DB 340 CPGAG 345

RESULT 33
US-08-513-974B-26
Sequence 26, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ohtaki, Tetsuya
APPLICANT: Fukusumi, Shoji
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 370 amino acids
TYPE: amino acid
STRANDEDNESS: linear
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-513-974B-26

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 34
US-08-513-974B-323
Sequence 323, Application US/08513974B
Patent No. 6114139
GENERAL INFORMATION:
APPLICANT: Hinuma, Shuji
APPLICANT: Hosoya, Masaki
APPLICANT: Fujii, Ryo
APPLICANT: Ontaki, Tetsuya
APPLICANT: Fukusumi, Shoji
APPLICANT: Ohgi, Kazuhiro
TITLE OF INVENTION: G PROTEIN COUPLED RECEPTOR PROTEIN,
TITLE OF INVENTION: PRODUCTION, AND USE THEREOF.
NUMBER OF SEQUENCES: 380
CORRESPONDENCE ADDRESS:
ADDRESSEE: DIKE, BRONSTEIN, ROBERTS & CUSHMAN, LLP
STREET: 130 Water Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/513,974B
FILING DATE: 14-SEP-1995
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/JP95/01599
FILING DATE: 10-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-093989
FILING DATE: 19-AUG-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-057186
FILING DATE: 16-MAR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 7-007177
FILING DATE: 20-JAN-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-326611
FILING DATE: 28-DEC-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-270017
FILING DATE: 02-NOV-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236357
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-236356
FILING DATE: 30-SEP-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189274
FILING DATE: 11-AUG-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189273
FILING DATE: 11-AUG-1945
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 6-189272
FILING DATE: 11-AUG-1994
ATTORNEY/AGENT INFORMATION:
NAME: Resnick, David S.
REGISTRATION NUMBER: 34,235
REFERENCE/DOCKET NUMBER: 45753
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-523-3400
TELEFAX: 617-523-6440
INFORMATION FOR SEQ ID NO: 323:
SEQUENCE CHARACTERISTICS:
LENGTH: 370 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-513-974B-323

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 15 VLALPA 20
DB 189 VLALPA 194

RESULT 35
US-09-172-353-2
Sequence 2, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS

FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-2

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
|||
Db 189 VLALPA 194

RESULT 36
US-09-172-353-3
Sequence 3, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 3
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-3

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
|||
Db 189 VLALPA 194

RESULT 37
US-09-172-353-5
Sequence 5, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 370
TYPE: PRT
ORGANISM: Homo sapiens
US-09-172-353-5

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
|||
Db 189 VLALPA 194

RESULT 38
US-09-172-353-7
Sequence 7, Application US/09172353
Patent No. 6197530
GENERAL INFORMATION:
APPLICANT: Stricker-Kongra, Alain
APPLICANT: Gu, Wei
TITLE OF INVENTION: GPR10 AS A TARGET FOR IDENTIFYING WEIGHT MODULATING COMPOUNDS
FILE REFERENCE: 07334/102001
CURRENT APPLICATION NUMBER: US/09/172.353
CURRENT FILING DATE: 1998-10-14
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 370
TYPE: PRT
ORGANISM: Mus musculus
US-09-172-353-7

Query Match 3.5%; Score 6; DB 4; Length 370;
Best Local Similarity 100.0%; Pred. No. 4e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 15 VLALPA 20
|||
Db 189 VLALPA 194

RESULT 39
US-09-067-626-4
Sequence 4, Application US/09067626
Patent No. 6177086
GENERAL INFORMATION:
APPLICANT: Riley, Lee W.
APPLICANT: Nathan, Carl F.
TITLE OF INVENTION: DNA MOLECULE CONFERRING ON MYCOBACTERIUM
TITLE OF INVENTION: TUBERCULOSIS RESISTANCE AGAINST ANTIMICROBIAL REACTIVE
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon, Hargrave, Devans & Doyle LLP
STREET: Clinton Square, P.O. Box 1051
CITY: Rochester
STATE: New York
COUNTRY: USA
ZIP: 14603
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/067,626
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/045,688
FILING DATE: 06-May-1997
ATTORNEY/AGENT INFORMATION:
NAME: Goldman, Michael L.
REGISTRATION NUMBER: 30,727
REFERENCE/DOCKET NUMBER: 19603/491
TELECOMMUNICATION INFORMATION:
TELEPHONE: (716) 263-1304
TELEFAX: (716) 263-1600

INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 414 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
US-09-067-626-4

Query Match 3.5%; Score 6; DB 4; Length 414;
Best Local Similarity 100.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 133 PGAGV 138
|||||
DB 375 PGAGV 380

RESULT 40

US-08-448-722A-4
Sequence 4, Application US/08448722A
Patent No. 6072028
GENERAL INFORMATION:
APPLICANT: Altier, Dario C.
TITLE OF INVENTION: No. 6072028el Cell Surface Receptor, Antibody
TITLE OF INVENTION: Compositions, and Methods of Using Same
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Office of Patent Counsel, The Scripps
ADDRESSEE: Research Institute
STREET: 10550 No. 6072028th Torrey Pines Road, TPC-8
CITY: La Jolla
STATE: CA
COUNTRY: US
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentln Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/448,722A
FILING DATE: 25-MAY-1995
CLASSIFICATION: 530
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/189,309
FILING DATE: 28-JAN-1994
ATTORNEY/AGENT INFORMATION:
NAME: Fitting, Thomas
REGISTRATION NUMBER: 34,163
REFERENCE/DOCKET NUMBER: 233.1 Div1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 784-2937
TELEFAX: (619) 784-9399
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 427 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-448-722A-4

Query Match 3.5%; Score 6; DB 3; Length 427;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 130 ASCPG 135
|||||
DB 43 ASCPG 48

RESULT 41
US-09-012-072-4
Sequence 4, Application US/09012072
Patent No. 6060276
GENERAL INFORMATION:
APPLICANT: Maslakowski, Piotr
TITLE OF INVENTION: No. 6060276el Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/012,072
CURRENT FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 4
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 4
LENGTH: 434
TYPE: PRT
ORGANISM: HUMAN
US-09-012-072-4

Query Match 3.5%; Score 6; DB 3; Length 434;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 PGLSTL 12
|||||
DB 230 PGLSTL 235

RESULT 42
US-09-120-601-4
Sequence 4, Application US/09120601
Patent No. 6207413
GENERAL INFORMATION:
APPLICANT: Maslakowski, Piotr
TITLE OF INVENTION: No. 6207413el Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/120,601
CURRENT FILING DATE: 1998-07-22
EARLIER APPLICATION NUMBER: 09/012,072
EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentln Ver. 2.0
SEQ ID NO 4
LENGTH: 434
TYPE: PRT
ORGANISM: HUMAN
US-09-120-601-4

Query Match 3.5%; Score 6; DB 4; Length 434;
Best Local Similarity 100.0%; Pred. No. 4.6e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 7 PGLSTL 12
|||||
DB 230 PGLSTL 235

RESULT 43
US-09-073-569-2
Sequence 2, Application US/09073569
Patent No. 6084088
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
APPLICANT: Grossmann, Angelika
TITLE OF INVENTION: NOVEL TUMOR ANTIGENS
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: ZymoGenetics, Inc.
STREET: 1201 Eastlake Avenue East
CITY: Seattle
STATE: WA

COUNTRY: USA
ZIP: 98102
COMPUTER READABLE FORM:
MEDIUM TYPE: diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/073,569
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sawislak, Deborah A
REGISTRATION NUMBER: 37,438
REFERENCE/DOCKET NUMBER: 97-14
TELECOMMUNICATION INFORMATION:
TELEPHONE: 206-442-6672
TELEFAX: 206-442-6678
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 437 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-09-073-569-2

Query Match 3.5%; Score 6; DB 3; Length 437;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 GPGSL 11
|||||
DB 92 GPGSL 97

RESULT 44
US-09-120-601-6
Sequence 6, Application US/09120601
Patent No. 6207413
GENERAL INFORMATION:
APPLICANT: Maslowski, Piotr
TITLE OF INVENTION: No. 6207413el Orphan Receptors
FILE REFERENCE: REG 630
CURRENT APPLICATION NUMBER: US/09/120,601
CURRENT FILING DATE: 1998-07-22
EARLIER APPLICATION NUMBER: 09/012,072
EARLIER FILING DATE: 1998-01-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 448
TYPE: PRP
ORGANISM: HUMAN
US-09-120-601-6

Query Match 3.5%; Score 6; DB 4; Length 448;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 7 PGLSL 12
|||||
DB 244 PGLSL 249

RESULT 45

5268463-7
Patent No. 5268463
APPLICANT: JEFFERSON, RICHARD A.
TITLE OF INVENTION: PLANT PROMOTER a-GLUCURONIDASE GENE
CONSTRUCT
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/447,976
FILING DATE: 08-DEC-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 119,102
FILING DATE: 10-NOV-1987
APPLICATION NUMBER: 264,586
FILING DATE: 31-OCT-1988
SEQ ID NO: 7
LENGTH: 457
5268463-7

Query Match 3.5%; Score 6; DB 6; Length 457;
Best Local Similarity 100.0%; Pred. No. 4.8e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 163 VAGPSL 168
|||||
DB 212 VAGPSL 217

RESULT 46
US-08-425-989B-11
Sequence 11, Application US/08425989B
Patent No. 5849699
GENERAL INFORMATION:
APPLICANT: McClelland, Alan
TITLE OF INVENTION: Soluble Molecule Related to but
TITLE OF INVENTION: Distinct from ICAM-1
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Bayer Corporation
STREET: 400 Morgan Lane
CITY: West Haven
STATE: Connecticut
COUNTRY: USA
ZIP: 06516
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" diskette, 1.44 MB storage
COMPUTER: IBM Thinkpad 760ED
OPERATING SYSTEM: Windows 95
SOFTWARE: Wordperfect 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/425,989B
FILING DATE: 20-APR-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/156,653
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: 08/005,204
FILING DATE: 15-JAN-1993
APPLICATION NUMBER: 07/449,356
FILING DATE: 21-DEC-1989
APPLICATION NUMBER: 07/445,951
FILING DATE: 13-DEC-1989
APPLICATION NUMBER: 07/301,192
FILING DATE: 24-JAN-1989
ATTORNEY/AGENT INFORMATION:
NAME: Barbara A. Shime1
REGISTRATION NUMBER: 29,862
REFERENCE/DOCKET NUMBER: MTI 209,2C3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (203) 812-2786
TELEFAX: (203) 812-5492
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:

LENGTH: 480 amino acid residues
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE:
DESCRIPTION: protein
HYPOTHETICAL: no
ORIGINAL SOURCE:
ORGANISM: human
CELL TYPE: epithelial
CELL LINE: hela cells
FEATURE:
NAME/KEY: SICAM-1
OTHER INFORMATION: amino acid sequence
OTHER INFORMATION: identical to ICAM-1 protein sequence except
OTHER INFORMATION: for residue 442, which is Lys rather than
OTHER INFORMATION: Glu, and residues 443-453, which is novel
US-08-425-989B-11
sequence due to alternative splicing

Query Match 3.5%; Score 6; DB 2; Length 480;
Best Local Similarity 100.0%; Pred. No. 5.1e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 17 ALPALL 22
111111
DB 9 ALPALL 14

RESULT 47
PCT-US94-01101-2
Sequence 2, Application PC/TUS9401101
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: HIGH MOLECULAR WEIGHT B-CELL GROWTH
NUMBER OF SEQUENCES: 8
TITLE OF INVENTION: FACTOR: INTERLEUKIN-14
SOFTWARE: Patent In Release #1.0, Version #1.25
CORRESPONDENCE ADDRESS:
ADDRESSEE: WOLF, GREENFIELD & SACKS, P.C.
STREET: 600 ATLANTIC AVENUE
CITY: BOSTON
STATE: MASSACHUSETTS
COUNTRY: USA
ZIP: 02210
COMPUTER READABLE FORM:
MEDIUM TYPE: floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/01101
FILING DATE: FILED HEREWITH
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/005,156
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: GATES, EDWARD R.
REGISTRATION NUMBER: 31,616
REFERENCE/DOCKET NUMBER: B0819/7000WO
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617/720-3500
TELEFAX: 617/720-2441
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 498 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein

HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: HOMO SAPIENS
FEATURE:
NAME/KEY: Protein
LOCATION: 16..498
PCT-US94-01101-2

Query Match 3.5%; Score 6; DB 5; Length 498;
Best Local Similarity 100.0%; Pred. No. 5.2e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 14 LVIALP 19
111111
DB 11 LVIALP 16

RESULT 48
US-08-789-078-3
Sequence 3, Application US/08789078
Patent No. 5843885
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Shahan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbetts, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
NUMBER OF SEQUENCES: 19
TITLE OF INVENTION: IMMUNE TOLERANCE
SOFTWARE: Patent In Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/789,078
FILING DATE: 03-FEB-1997
CLASSIFICATION: 514
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: 08/229,513
FILING DATE: 19-APR-1994
ATTORNEY/AGENT INFORMATION:
NAME: COLLINS, John M.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: (816)474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
FEATURE:
NAME/KEY: Region
LOCATION: 1..25
OTHER INFORMATION: /label=Signal
OTHER INFORMATION: /note="Signal sequence"
FEATURE:

NAME/KEY: Region
LOCATION: 41..100
OTHER INFORMATION: /label= Ig1
FEATURE:
NAME/KEY: Region
LOCATION: 128..190
OTHER INFORMATION: /label= Ig2
FEATURE:
NAME/KEY: Region
LOCATION: 230..294
OTHER INFORMATION: /label= Ig3
FEATURE:
NAME/KEY: Region
LOCATION: 325..375
OTHER INFORMATION: /label= Ig4
FEATURE:
NAME/KEY: Region
LOCATION: 413..461
OTHER INFORMATION: /label= Ig5
FEATURE:
NAME/KEY: Duplication
LOCATION: 481..503
OTHER INFORMATION: /label= Trans
OTHER INFORMATION: /note= "Transmembrane domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 152..154
OTHER INFORMATION: /label= Attachment
OTHER INFORMATION: /note= "Cell attachment site"
PUBLICATION INFORMATION:
AUTHORS: Pigott,
TITLE: ICAM-1 Amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
RELEVANT RESIDUES IN SEQ ID NO: 3: FROM 1 TO 531
US-08-789-078-3

Query Match 3.5%; Score 6; DB 2; Length 531;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPAL 22
DB 9 ALPAL 14

RESULT 49
US-08-752-633-3
Sequence 3, Application US/08752633
Patent No. 5863889
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Slihaan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbetts, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 1101 Walnut St.
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/752,633
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Collins, John M.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: 816)474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
FEATURE:
NAME/KEY: Region
LOCATION: 1..25
OTHER INFORMATION: /label= Signal
OTHER INFORMATION: /note= "Signal sequence"
FEATURE:
NAME/KEY: Region
LOCATION: 41..100
OTHER INFORMATION: /label= Ig1
FEATURE:
NAME/KEY: Region
LOCATION: 128..190
OTHER INFORMATION: /label= Ig2
FEATURE:
NAME/KEY: Region
LOCATION: 230..294
OTHER INFORMATION: /label= Ig3
FEATURE:
NAME/KEY: Region
LOCATION: 325..375
OTHER INFORMATION: /label= Ig4
FEATURE:
NAME/KEY: Region
LOCATION: 413..461
OTHER INFORMATION: /label= Ig5
FEATURE:
NAME/KEY: Duplication
LOCATION: 481..503
OTHER INFORMATION: /label= Trans
OTHER INFORMATION: /note= "Transmembrane domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 152..154
OTHER INFORMATION: /label= Attachment
OTHER INFORMATION: /note= "Cell attachment site"
PUBLICATION INFORMATION:
AUTHORS: Pigott,
TITLE: ICAM-1 Amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
RELEVANT RESIDUES IN SEQ ID NO: 3: FROM 1 TO 531
US-08-752-633-3

Query Match 3.5%; Score 6; DB 2; Length 531;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 17 ALPAL 22

|||||
DB 9 ALPALL 14

RESULT 50
PCT-US95-04886-3
Sequence 3, Application PC/TUS9504886
GENERAL INFORMATION:
APPLICANT: Benedict, Stephen H.
APPLICANT: Slahaan, Teruna
APPLICANT: Chan, Marcia
APPLICANT: Tibbets, Scott
TITLE OF INVENTION: ICAM-1/LFA-1 PEPTIDES FOR INDUCING
TITLE OF INVENTION: IMMUNE TOLERANCE
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESSEE: HOVEY, WILLIAMS, TIMMONS & COLLINS
STREET: 1101 Walnut St.
CITY: Kansas City
STATE: MO
COUNTRY: USA
ZIP: 64106
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/04886
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Collins, John W.
REGISTRATION NUMBER: 26262
REFERENCE/DOCKET NUMBER: 22833
TELECOMMUNICATION INFORMATION:
TELEPHONE: (816)474-9050
TELEFAX: 816/474-9057
TELEX: 434-363
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 531 amino acids
TYPE: amino acid
TOPOLOGY: both
MOLECULE TYPE: protein
ORIGINAL SOURCE:
ORGANISM: Homo sapiens
CELL TYPE: T-cell
CELL LINE: HL-60
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FEATURE:
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OTHER INFORMATION: /label= Ig1
FEATURE:
NAME/KEY: Region
LOCATION: 128..190
OTHER INFORMATION: /label= Ig2
FEATURE:
NAME/KEY: Region
LOCATION: 230..294
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LOCATION: 325..375
OTHER INFORMATION: /label= Ig4
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NAME/KEY: Region
LOCATION: 413..461

OTHER INFORMATION: /label= Ig5
FEATURE:
NAME/KEY: Duplication
LOCATION: 481..503
OTHER INFORMATION: /label= Trans
OTHER INFORMATION: /note= "Transmembrane domain"
FEATURE:
NAME/KEY: Binding-site
LOCATION: 152..154
OTHER INFORMATION: /label= Attachment
OTHER INFORMATION: /note= "Cell attachment site"
PUBLICATION INFORMATION:
AUTHORS: Pigott,
AUTHORS: Power,
TITLE: ICAM-1 amino acid sequence (from HL-60)
JOURNAL: The Adhesion Molecule Facts Book
PAGES: 75-75
DATE: 1993
RELEVANT RESIDUES IN SEQ ID NO: 3: FROM 1 TO 531
PCT-US95-04886-3

Query Match 3.5%; Score 6; DB 5; Length 531;
Best Local Similarity 100.0%; Pred. No. 5.5e+02;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 17 ALPALL 22
DB 9 ALPALL 14

Search completed: May 23, 2001, 16:05:43
Job time: 635 sec

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OM protein - protein search, using sw model

Run on: May 23, 2001, 15:55:08 ; Search time 19.57 seconds
(without alignments)
294.494 Million cell updates/sec

Title: US-09-518-931-2

Perfect score: 300

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Scoring table:

Gapop 60.0 , Gapext 60.0

Searched: 185757 seqs, 19210857 residues

Word size: 6

Total number of hits satisfying chosen parameters: 692

Minimum DB seq length: 0

Maximum DB seq length: 200000000

Post-processing: Listing first 1000 summaries

Database:

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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165	6	2.0	175	1	US-08-010-099-88	Sequence 88, Appl	238	6	2.0	175	4	US-08-505-187-4	Sequence 4, Appl
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167	6	2.0	175	1	US-08-010-099-90	Sequence 90, Appl	240	6	2.0	176	3	US-08-469-318-161	Sequence 161, App
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173	6	2.0	175	1	US-08-010-099-96	Sequence 96, Appl	246	6	2.0	176	5	PCT-US95-01185-161	Sequence 161, App

247	6	2.0	176	5	PCT-US95-01185-162	Sequence 162, App	330	6	2.0	292	1	US-08-036-210-12	Sequence 12, App1
248	6	2.0	177	2	US-08-338-793D-41	Sequence 41, App1	321	6	2.0	292	2	US-08-449-609-12	Sequence 12, App1
249	6	2.0	177	2	US-08-338-793D-55	Sequence 55, App1	322	6	2.0	297	4	US-09-187-049-10	Sequence 10, App1
250	6	2.0	177	2	US-08-431-459A-30	Sequence 30, App1	323	6	2.0	299	2	US-08-773-608A-2	Sequence 2, App1
251	6	2.0	177	2	US-08-797-689-14	Sequence 14, App1	324	6	2.0	303	2	US-08-961-539-2	Sequence 2, App1
252	6	2.0	177	2	US-09-123-443-8	Sequence 8, App1	325	6	2.0	303	4	US-09-185-826-2	Sequence 4, App1
253	6	2.0	177	3	US-08-833-167-116	Sequence 116, App	326	6	2.0	307	3	US-08-469-318-121	Sequence 121, App
254	6	2.0	177	3	US-08-833-167-117	Sequence 117, App	327	6	2.0	307	3	US-08-469-318-122	Sequence 122, App
255	6	2.0	177	3	US-08-833-167-118	Sequence 118, App	328	6	2.0	307	3	US-08-469-318-123	Sequence 123, App
256	6	2.0	177	3	US-08-833-167-119	Sequence 119, App	329	6	2.0	307	3	US-08-469-318-124	Sequence 124, App
257	6	2.0	177	3	US-08-833-167-120	Sequence 120, App	330	6	2.0	307	3	US-08-469-318-134	Sequence 134, App
258	6	2.0	177	3	US-08-833-167-121	Sequence 121, App	331	6	2.0	307	3	US-08-469-318-135	Sequence 135, App
259	6	2.0	177	3	US-08-833-167-122	Sequence 122, App	332	6	2.0	307	3	US-08-469-318-146	Sequence 146, App
260	6	2.0	177	3	US-08-833-167-123	Sequence 123, App	333	6	2.0	307	3	US-08-469-318-147	Sequence 147, App
261	6	2.0	177	3	US-08-833-167-124	Sequence 124, App	334	6	2.0	307	3	US-08-469-318-152	Sequence 152, App
262	6	2.0	177	3	US-08-833-167-125	Sequence 125, App	335	6	2.0	307	3	US-08-469-318-158	Sequence 158, App
263	6	2.0	177	3	US-08-833-167-126	Sequence 126, App	336	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
264	6	2.0	177	3	US-08-833-167-127	Sequence 127, App	337	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
265	6	2.0	177	3	US-08-833-167-128	Sequence 128, App	338	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
266	6	2.0	183	6	5168049-4	Patent No. 5168049	339	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
267	6	2.0	184	4	US-08-149-101A-23	Sequence 23, App1	340	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
268	6	2.0	184	5	PCT-US94-12873-23	Sequence 23, App1	341	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
269	6	2.0	203	3	US-09-106-182-3	Sequence 3, App1	342	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
270	6	2.0	204	1	US-08-792-019B-10	Sequence 10, App1	343	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
271	6	2.0	204	3	US-08-988-819-10	Sequence 10, App1	344	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
272	6	2.0	204	4	US-09-016-534-10	Sequence 10, App1	345	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
273	6	2.0	204	4	US-08-097-869-5	Sequence 5, App1	346	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
274	6	2.0	205	2	US-08-775-009-37	Sequence 37, App1	347	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
275	6	2.0	206	4	US-08-513-974B-27	Sequence 27, App1	348	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
276	6	2.0	211	2	US-08-708-958-1	Sequence 1, App1	349	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
277	6	2.0	211	2	US-08-708-958-2	Sequence 2, App1	350	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
278	6	2.0	215	1	US-08-266-451B-27	Sequence 27, App1	351	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
279	6	2.0	215	2	US-08-748-725-27	Sequence 27, App1	352	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
280	6	2.0	218	1	US-08-463-115-92	Sequence 92, App1	353	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
281	6	2.0	218	1	US-08-463-388-92	Sequence 92, App1	354	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
282	6	2.0	218	4	US-08-875-233-2	Sequence 2, App1	355	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
283	6	2.0	218	4	US-08-875-233-6	Sequence 6, App1	356	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
284	6	2.0	219	1	US-08-463-115-91	Sequence 91, App1	357	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
285	6	2.0	219	1	US-08-463-388-91	Sequence 91, App1	358	6	2.0	307	3	US-08-469-318-159	Sequence 159, App
286	6	2.0	220	2	US-08-840-683-8	Sequence 8, App1	359	6	2.0	310	3	US-08-651-166C-22	Sequence 22, App1
287	6	2.0	223	4	US-08-513-974B-315	Sequence 315, App	360	6	2.0	317	2	US-08-555-722-8	Sequence 8, App1
288	6	2.0	223	4	US-08-513-974B-364	Sequence 364, App	361	6	2.0	317	2	US-08-555-722-8	Sequence 8, App1
289	6	2.0	223	4	US-08-513-974B-368	Sequence 368, App	362	6	2.0	320	2	US-08-530-165-7	Sequence 7, App1
290	6	2.0	226	6	5498600-2	Patent No. 5498600	363	6	2.0	322	3	US-08-469-318-128	Sequence 128, App
291	6	2.0	235	1	US-08-015-985-5	Sequence 5, App1	364	6	2.0	322	3	US-08-469-318-129	Sequence 129, App
292	6	2.0	237	2	US-08-469-537A-85	Sequence 85, App1	365	6	2.0	322	3	US-08-469-318-130	Sequence 130, App
293	6	2.0	241	6	5175255-2	Patent No. 5175255	366	6	2.0	322	3	US-08-469-318-138	Sequence 138, App
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296	6	2.0	245	1	US-08-276-151-9	Sequence 9, App1	369	6	2.0	322	3	US-08-469-318-154	Sequence 154, App
297	6	2.0	246	1	US-07-887-072B-4	Sequence 7, App1	370	6	2.0	322	3	US-08-469-318-156	Sequence 156, App
298	6	2.0	246	1	US-08-276-151-7	Sequence 7, App1	371	6	2.0	322	3	US-08-469-318-157	Sequence 157, App
299	6	2.0	246	1	US-08-466-444-4	Sequence 4, App1	372	6	2.0	322	3	US-08-469-318-128	Sequence 128, App
300	6	2.0	248	1	US-08-266-451B-2	Sequence 2, App1	373	6	2.0	322	3	US-08-469-318-129	Sequence 129, App
301	6	2.0	248	1	US-08-748-725-2	Sequence 2, App1	374	6	2.0	322	3	US-08-469-318-130	Sequence 130, App
302	6	2.0	249	1	US-07-887-072B-2	Sequence 2, App1	375	6	2.0	322	3	US-08-469-318-138	Sequence 138, App
303	6	2.0	249	1	US-08-466-444-2	Sequence 2, App1	376	6	2.0	322	3	US-08-469-318-149	Sequence 149, App
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305	6	2.0	250	1	US-08-461-184-8	Sequence 8, App1	378	6	2.0	322	3	US-08-469-318-154	Sequence 154, App
306	6	2.0	250	1	US-08-463-675-8	Sequence 8, App1	379	6	2.0	322	3	US-08-469-318-156	Sequence 156, App
307	6	2.0	250	1	US-08-464-589-8	Sequence 8, App1	380	6	2.0	322	3	US-08-469-318-157	Sequence 157, App
308	6	2.0	250	1	US-08-461-838-2	Sequence 2, App1	381	6	2.0	322	3	US-08-469-318-158	Sequence 158, App
309	6	2.0	250	1	US-08-461-838-2	Sequence 2, App1	382	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
310	6	2.0	253	2	US-08-685-992-11	Sequence 11, App1	383	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
311	6	2.0	253	2	US-09-144-925-11	Sequence 11, App1	384	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
312	6	2.0	253	5	PCT-US96-01314-53	Sequence 53, App1	385	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
313	6	2.0	269	3	US-08-759-463-2	Sequence 2, App1	386	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
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315	6	2.0	281	1	US-08-040-548-3	Sequence 3, App1	388	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
316	6	2.0	281	1	US-08-466-344-3	Sequence 3, App1	389	6	2.0	322	3	US-08-469-318-159	Sequence 159, App
317	6	2.0	282	1	US-08-445-847A-1	Sequence 1, App1	390	6	2.0	327	4	US-09-290-640-66	Sequence 66, App1
318	6	2.0	287	1	US-07-971-092-2	Sequence 2, App1	391	6	2.0	330	1	US-08-410-167A-4	Sequence 4, App1
319	6	2.0	287	6	5198342-2	Patent No. 5198342	392	6	2.0	330	2	US-08-898-560-1	Sequence 1, App1

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394	6	2.0	335	5	US-08-468-609A-143	Sequence 143, App	467	6	2.0	479	3	US-08-767-993-7	Sequence 7, App11
395	6	2.0	335	5	PCT-US95-01185-143	Sequence 143, App	468	6	2.0	480	2	US-08-425-989B-11	Sequence 11, App1
396	6	2.0	337	3	US-08-469-318-148	Sequence 148, App	469	6	2.0	481	2	US-08-477-451-19	Sequence 19, App1
397	6	2.0	337	3	US-08-468-609A-148	Sequence 148, App	470	6	2.0	481	2	US-07-503-103-4	Sequence 4, App11
398	6	2.0	337	5	PCT-US95-01185-148	Sequence 148, App	471	6	2.0	489	1	US-08-044-619A-4	Sequence 4, App11
399	6	2.0	342	5	US-08-118-270-9	Sequence 9, App11	472	6	2.0	489	1	US-08-283-911-4	Sequence 4, App11
400	6	2.0	342	5	PCT-US93-08528-9	Sequence 9, App11	473	6	2.0	489	1	US-08-245-500A-5	Sequence 5, App11
401	6	2.0	346	1	US-08-119-773-5	Sequence 5, App11	474	6	2.0	489	1	US-08-390-546-5	Sequence 5, App11
402	6	2.0	346	2	US-08-602-359A-34	Sequence 34, App1	475	6	2.0	489	1	US-08-390-479A-5	Sequence 5, App11
403	6	2.0	348	4	US-09-248-528-7	Sequence 7, App11	476	6	2.0	489	1	US-08-557-393-5	Sequence 5, App11
404	6	2.0	349	2	US-08-494-907-12	Sequence 12, App1	477	6	2.0	489	1	US-08-390-516C-5	Sequence 5, App11
405	6	2.0	349	3	US-08-469-318-139	Sequence 139, App	478	6	2.0	489	1	US-08-390-517A-5	Sequence 5, App11
406	6	2.0	349	3	US-08-469-318-151	Sequence 151, App	479	6	2.0	489	1	US-08-390-515A-5	Sequence 5, App11
407	6	2.0	349	3	US-08-468-609A-139	Sequence 139, App	480	6	2.0	489	2	US-08-801-718-5	Sequence 5, App11
408	6	2.0	349	3	US-08-468-609A-151	Sequence 151, App	481	6	2.0	496	2	US-08-224-482-2	Sequence 2, App11
409	6	2.0	349	5	PCT-US95-01185-139	Sequence 139, App	482	6	2.0	497	2	US-08-075-193-3	Sequence 4, App11
410	6	2.0	349	5	PCT-US95-01185-151	Sequence 151, App	483	6	2.0	497	2	US-08-564-090A-4	Sequence 4, App11
411	6	2.0	349	5	PCT-US96-10986-12	Sequence 12, App1	484	6	2.0	497	3	US-08-898-977-2	Sequence 4, App11
412	6	2.0	357	1	US-08-119-773-2	Sequence 2, App11	485	6	2.0	498	5	PCT-US94-06698-4	Sequence 2, App11
413	6	2.0	357	1	US-08-119-773-4	Sequence 4, App11	486	6	2.0	498	5	PCT-US94-01101-2	Sequence 2, App11
414	6	2.0	357	1	US-08-119-773-6	Sequence 6, App11	487	6	2.0	509	2	US-08-665-926-8	Sequence 8, App11
415	6	2.0	357	1	US-08-119-773-36	Sequence 36, App1	488	6	2.0	531	2	US-08-789-078-3	Sequence 3, App11
416	6	2.0	350	4	US-08-899-437-7	Sequence 7, App11	489	6	2.0	531	2	US-08-752-633-3	Sequence 3, App11
417	6	2.0	370	2	US-08-837-593-7	Sequence 7, App11	490	6	2.0	531	5	PCT-US95-04886-3	Sequence 3, App11
418	6	2.0	370	4	US-08-513-974B-26	Sequence 26, App1	491	6	2.0	532	1	US-07-618-286-1	Sequence 1, App11
419	6	2.0	370	4	US-08-513-974B-323	Sequence 323, App	492	6	2.0	532	1	US-08-196-003-3	Sequence 3, App11
420	6	2.0	370	4	US-09-172-353-2	Sequence 2, App11	493	6	2.0	532	2	US-08-483-389-118	Sequence 118, App
421	6	2.0	370	4	US-09-172-353-3	Sequence 3, App11	494	6	2.0	532	2	US-08-689-870-12	Sequence 12, App1
422	6	2.0	370	4	US-09-172-353-5	Sequence 5, App11	495	6	2.0	532	3	US-08-933-824-3	Sequence 3, App11
423	6	2.0	370	4	US-09-172-353-7	Sequence 7, App11	496	6	2.0	532	6	5284931-2	Patent No. 5284931
424	6	2.0	371	2	US-08-837-593-6	Sequence 6, App11	497	6	2.0	533	6	US-08-040-548-1	Sequence 1, App11
425	6	2.0	375	2	US-08-837-593-5	Sequence 5, App11	498	6	2.0	533	1	US-08-466-344-1	Sequence 1, App11
426	6	2.0	389	4	US-08-888-429A-20	Sequence 20, App1	499	6	2.0	533	6	5206152-2	Patent No. 5206152
427	6	2.0	393	2	US-08-990-379-4	Sequence 4, App11	500	6	2.0	554	1	US-08-106-761-2	Sequence 2, App11
428	6	2.0	398	1	US-08-091-519-2	Sequence 2, App11	501	6	2.0	565	2	US-08-892-770-6	Sequence 6, App11
429	6	2.0	398	1	US-08-442-043A-2	Sequence 2, App11	502	6	2.0	566	3	US-08-335-865D-9	Sequence 9, App11
430	6	2.0	398	2	US-08-641-038A-2	Sequence 2, App11	503	6	2.0	568	1	US-08-320-559-30	Sequence 30, App1
431	6	2.0	398	2	US-09-059-178-2	Sequence 2, App11	504	6	2.0	568	3	US-08-545-860D-30	Sequence 30, App1
432	6	2.0	398	2	US-08-642-541-2	Sequence 2, App11	505	6	2.0	568	5	PCT-US94-04496-30	Sequence 30, App1
433	6	2.0	398	5	PCT-US91-03478-2	Sequence 2, App11	506	6	2.0	571	2	US-08-892-770-5	Sequence 5, App11
434	6	2.0	402	3	US-08-948-997-4	Sequence 4, App11	507	6	2.0	587	1	US-07-955-905A-23	Sequence 23, App1
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436	6	2.0	410	3	US-09-083-521-2	Sequence 2, App11	509	6	2.0	591	3	US-09-082-737-2	Sequence 2, App11
437	6	2.0	414	1	US-07-667-276A-4	Sequence 4, App11	510	6	2.0	593	3	US-08-335-865D-21	Sequence 21, App1
438	6	2.0	414	1	US-09-067-626-4	Sequence 4, App11	511	6	2.0	598	2	US-08-272-353-22	Sequence 22, App1
439	6	2.0	418	1	US-08-261-206A-72	Sequence 72, App1	512	6	2.0	598	5	PCT-US95-08565-22	Sequence 22, App1
440	6	2.0	427	3	US-08-448-722A-4	Sequence 4, App11	513	6	2.0	600	3	US-08-904-871-2	Sequence 2, App11
441	6	2.0	433	1	US-07-661-610C-2	Sequence 2, App11	514	6	2.0	606	3	US-08-335-865D-20	Sequence 20, App1
442	6	2.0	433	2	US-08-883-515-2	Sequence 2, App11	515	6	2.0	607	2	US-08-209-521-7	Sequence 7, App11
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444	6	2.0	434	2	US-08-675-507-1	Sequence 1, App11	517	6	2.0	607	4	US-08-352-902D-3	Sequence 3, App11
445	6	2.0	434	3	US-09-213-205-1	Sequence 1, App11	518	6	2.0	610	1	US-08-410-804-1	Sequence 1, App11
446	6	2.0	434	3	US-09-012-072-4	Sequence 4, App11	519	6	2.0	610	1	US-08-259-514-1	Sequence 1, App11
447	6	2.0	434	3	US-09-120-601-4	Sequence 4, App11	520	6	2.0	610	2	US-08-879-561-10	Sequence 10, App1
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449	6	2.0	441	2	US-08-491-835-4	Sequence 4, App11	522	6	2.0	622	1	US-08-356-786-16	Sequence 16, App1
450	6	2.0	441	3	US-08-946-092A-4	Sequence 4, App11	523	6	2.0	626	1	US-07-938-782A-2	Sequence 2, App11
451	6	2.0	441	4	US-09-172-062-4	Sequence 4, App11	524	6	2.0	626	1	US-08-630-524-2	Sequence 2, App11
452	6	2.0	441	5	PCT-US94-00685-4	Sequence 4, App11	525	6	2.0	626	5	PCT-US93-08131-2	Sequence 2, App11
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455	6	2.0	450	2	US-08-665-037-2	Sequence 2, App11	528	6	2.0	649	2	US-09-018-864A-16	Sequence 16, App1
456	6	2.0	450	2	US-08-396-001-2	Sequence 2, App11	529	6	2.0	649	3	US-08-871-267B-22	Sequence 22, App1
457	6	2.0	450	2	US-08-666-067-2	Sequence 2, App11	530	6	2.0	651	1	US-08-431-080-24	Sequence 24, App1
458	6	2.0	450	2	US-08-732-870-2	Sequence 2, App11	531	6	2.0	651	2	US-08-938-534-24	Sequence 24, App1
459	6	2.0	470	4	US-09-118-319-8	Sequence 8, App11	532	6	2.0	652	1	US-08-261-663A-6	Sequence 6, App11
460	6	2.0	471	4	US-08-961-083-158	Sequence 158, App	533	6	2.0	652	1	PCT-US95-07734A-6	Sequence 6, App11
461	6	2.0	475	2	US-08-484-200-2	Sequence 2, App11	534	6	2.0	653	1	US-08-339-152A-16	Sequence 16, App1
462	6	2.0	475	2	US-08-861-464-14	Sequence 14, App1	535	6	2.0	653	1	US-08-007-999B-3	Sequence 3, App11
463	6	2.0	475	2	US-08-396-001-14	Sequence 14, App1	536	6	2.0	655	2	US-08-689-276A-3	Sequence 3, App11
464	6	2.0	475	3	US-08-465-375-2	Sequence 3, App11	537	6	2.0	675	5	PCT-US95-05008-4	Sequence 5, App11
465	6	2.0	476	4	US-08-134-557D-2	Sequence 2, App11	538	6	2.0	696	4	US-08-899-437-23	Sequence 23, App1

539	6	2.0	709	1	US-07-814-964-7	Sequence 7, Appl	612	6	2.0	1184	1	US-08-446-038B-20	Sequence 20, Appl
540	6	2.0	709	1	US-08-258-442-7	Sequence 7, Appl	613	6	2.0	1184	1	US-08-446-010B-20	Sequence 20, Appl
541	6	2.0	709	1	US-08-328-809-2	Sequence 2, Appl	614	6	2.0	1184	1	US-08-805-445-20	Sequence 20, Appl
542	6	2.0	709	3	US-09-015-003-2	Sequence 2, Appl	615	6	2.0	1184	2	US-08-064-067D-20	Sequence 20, Appl
543	6	2.0	709	3	PCT-US92-11107-7	Sequence 7, Appl	616	6	2.0	1184	2	US-09-066-208-20	Sequence 20, Appl
544	6	2.0	712	1	US-08-587-889-2	Sequence 2, Appl	617	6	2.0	1187	1	US-08-357-598-8	Sequence 8, Appl
545	6	2.0	712	1	US-08-980-060-5	Sequence 5, Appl	618	6	2.0	1187	1	US-08-097-997A-13	Sequence 13, Appl
546	6	2.0	712	5	PCT-US96-09193-2	Sequence 2, Appl	619	6	2.0	1187	2	US-09-003-289-8	Sequence 8, Appl
547	6	2.0	720	4	US-08-899-437-6	Sequence 6, Appl	620	6	2.0	1187	4	US-08-665-574C-13	Sequence 13, Appl
548	6	2.0	733	1	US-08-712-241-2	Sequence 2, Appl	621	6	2.0	1187	4	US-08-946-994-13	Sequence 13, Appl
549	6	2.0	753	1	US-08-712-241-3	Sequence 3, Appl	622	6	2.0	1187	5	PCT-US95-16435-8	Sequence 8, Appl
550	6	2.0	753	5	PCT-US92-10621-3	Sequence 3, Appl	623	6	2.0	1237	1	US-08-241-853-2	Sequence 2, Appl
551	6	2.0	753	5	PCT-US94-02233-3	Sequence 3, Appl	624	6	2.0	1237	2	US-08-850-917-2	Sequence 2, Appl
552	6	2.0	776	1	US-08-198-446B-17	Sequence 17, Appl	625	6	2.0	1243	2	US-08-557-1139-2	Sequence 2, Appl
553	6	2.0	776	2	US-08-870-693-17	Sequence 17, Appl	626	6	2.0	1248	4	US-08-882-046-6	Sequence 6, Appl
554	6	2.0	777	2	US-08-874-678-3	Sequence 3, Appl	627	6	2.0	1261	1	US-08-764-100-26	Sequence 26, Appl
555	6	2.0	777	3	US-08-643-839-3	Sequence 3, Appl	628	6	2.0	1288	4	US-08-762-428A-6	Sequence 6, Appl
556	6	2.0	783	1	US-08-256-938-2	Sequence 2, Appl	629	6	2.0	1294	4	US-08-819-288-3	Sequence 3, Appl
557	6	2.0	787	1	US-08-256-938-4	Sequence 4, Appl	630	6	2.0	1296	3	US-08-728-603-15	Sequence 15, Appl
558	6	2.0	787	2	US-08-797-689-16	Sequence 16, Appl	631	6	2.0	1298	1	US-08-222-616-33	Sequence 33, Appl
559	6	2.0	789	3	US-08-727-308-1	Sequence 1, Appl	632	6	2.0	1298	1	US-08-340-011-2	Sequence 2, Appl
560	6	2.0	809	5	PCT-US91-01726-3	Sequence 3, Appl	633	6	2.0	1298	1	US-08-901-710-2	Sequence 2, Appl
561	6	2.0	816	1	US-08-190-802A-54	Sequence 54, Appl	634	6	2.0	1298	5	PCT-US95-04228-33	Sequence 33, Appl
562	6	2.0	821	2	US-08-198-446B-6	Sequence 6, Appl	635	6	2.0	1321	5	US-08-261-822A-3	Sequence 3, Appl
563	6	2.0	821	2	US-08-870-693-6	Sequence 6, Appl	636	6	2.0	1321	5	PCT-US95-07744A-3	Sequence 3, Appl
564	6	2.0	829	1	US-08-346-455B-34	Sequence 34, Appl	637	6	2.0	1362	2	US-08-874-678-33	Sequence 33, Appl
565	6	2.0	829	3	US-08-977-221-34	Sequence 34, Appl	638	6	2.0	1362	3	US-08-643-839-33	Sequence 33, Appl
566	6	2.0	829	5	PCT-US95-06613-34	Sequence 34, Appl	639	6	2.0	1363	1	US-08-340-011-4	Sequence 4, Appl
567	6	2.0	870	2	US-08-732-192A-2	Sequence 2, Appl	640	6	2.0	1363	2	US-08-874-678-32	Sequence 32, Appl
568	6	2.0	874	3	US-08-804-439A-15	Sequence 15, Appl	641	6	2.0	1363	3	US-08-643-839-32	Sequence 32, Appl
569	6	2.0	874	3	US-08-720-229-15	Sequence 15, Appl	642	6	2.0	1363	2	US-08-901-710-4	Sequence 4, Appl
570	6	2.0	878	3	US-08-941-936-2	Sequence 2, Appl	643	6	2.0	1367	2	US-08-249-687C-2	Sequence 2, Appl
571	6	2.0	899	1	US-08-365-689-2	Sequence 2, Appl	644	6	2.0	1367	2	US-08-625-819-2	Sequence 2, Appl
572	6	2.0	899	1	US-08-145-138A-2	Sequence 2, Appl	645	6	2.0	1367	2	US-08-746-558A-2	Sequence 2, Appl
573	6	2.0	903	2	US-08-209-521-24	Sequence 24, Appl	646	6	2.0	1368	2	US-08-874-678-34	Sequence 34, Appl
574	6	2.0	903	4	US-08-961-810-134	Sequence 134, App	647	6	2.0	1368	2	US-08-643-839-34	Sequence 34, Appl
575	6	2.0	903	4	US-08-352-902D-134	Sequence 134, App	648	6	2.0	1375	3	US-08-665-259-26	Sequence 26, Appl
576	6	2.0	915	1	US-08-346-455B-69	Sequence 69, Appl	649	6	2.0	1375	3	US-08-762-520-26	Sequence 26, Appl
577	6	2.0	915	3	US-08-977-221-69	Sequence 69, Appl	650	6	2.0	1410	4	US-09-335-409-3	Sequence 3, Appl
578	6	2.0	915	5	PCT-US95-06613-69	Sequence 69, Appl	651	6	2.0	1437	3	US-09-061-400-2	Sequence 2, Appl
579	6	2.0	933	5	US-07-747-781-2	Sequence 2, Appl	652	6	2.0	1453	2	US-09-001-273-2	Sequence 2, Appl
580	6	2.0	933	5	PCT-US92-06888-2	Sequence 2, Appl	653	6	2.0	1453	2	US-08-843-459A-2	Sequence 2, Appl
581	6	2.0	970	2	US-08-673-789-7	Sequence 7, Appl	654	6	2.0	1504	4	US-09-045-360-2	Sequence 2, Appl
582	6	2.0	973	1	US-08-162-809-10	Sequence 10, Appl	655	6	2.0	1563	4	US-08-976-625-14	Sequence 14, Appl
583	6	2.0	983	2	US-08-164-292B-26	Sequence 26, Appl	656	6	2.0	1706	2	US-08-459-568-2	Sequence 2, Appl
584	6	2.0	983	3	US-08-845-623-26	Sequence 26, Appl	657	6	2.0	1706	2	US-08-399-411-2	Sequence 2, Appl
585	6	2.0	983	3	US-08-815-927-26	Sequence 26, Appl	658	6	2.0	1706	3	US-08-516-859A-2	Sequence 2, Appl
586	6	2.0	984	1	US-08-257-073-3	Sequence 3, Appl	659	6	2.0	1996	2	US-08-804-227C-9	Sequence 9, Appl
587	6	2.0	984	2	US-08-184-009-120	Sequence 120, App	660	6	2.0	1996	2	US-08-804-198-3	Sequence 3, Appl
588	6	2.0	984	2	US-08-458-356-120	Sequence 120, App	661	6	2.0	2237	1	US-08-455-543A-48	Sequence 48, Appl
589	6	2.0	985	5	PCT-US96-03916-6	Sequence 6, Appl	662	6	2.0	2237	2	US-08-223-305C-48	Sequence 48, Appl
590	6	2.0	985	5	PCT-US96-03916-66	Sequence 66, Appl	663	6	2.0	2237	3	US-08-713-118-2	Sequence 2, Appl
591	6	2.0	988	1	US-08-162-809-14	Sequence 14, Appl	664	6	2.0	2237	4	US-09-452-001-2	Sequence 2, Appl
592	6	2.0	993	1	US-08-348-143-1	Sequence 1, Appl	665	6	2.0	2239	1	US-08-455-543A-47	Sequence 47, Appl
593	6	2.0	993	1	US-08-571-785-1	Sequence 1, Appl	666	6	2.0	2239	2	US-08-523-305C-47	Sequence 47, Appl
594	6	2.0	998	2	US-08-449-645A-20	Sequence 20, Appl	667	6	2.0	2465	2	US-08-596-291-3	Sequence 3, Appl
595	6	2.0	998	2	US-08-702-367A-20	Sequence 20, Appl	668	6	2.0	2465	3	US-09-100-804-3	Sequence 3, Appl
596	6	2.0	998	5	PCT-US95-04681-20	Sequence 20, Appl	669	6	2.0	2466	3	US-09-080-885-12	Sequence 12, Appl
597	6	2.0	1003	1	US-07-991-867B-6	Sequence 6, Appl	670	6	2.0	2466	5	PCT-US94-09943-2	Sequence 2, Appl
598	6	2.0	1003	1	US-08-107-755A-6	Sequence 6, Appl	671	6	2.0	2485	4	US-09-290-640-46	Sequence 46, Appl
599	6	2.0	1003	2	US-08-544-332-6	Sequence 6, Appl	672	6	2.0	2485	5	PCT-US94-00198-1	Sequence 1, Appl
600	6	2.0	1007	4	US-08-961-083-216	Sequence 216, App	673	6	2.0	2512	2	US-08-994-00198-2	Sequence 2, Appl
601	6	2.0	1091	3	US-08-986-485-5	Sequence 5, Appl	674	6	2.0	2512	2	US-08-801-263A-8	Sequence 8, Appl
602	6	2.0	1101	3	US-08-986-485-2	Sequence 2, Appl	675	6	2.0	2512	3	US-09-102-248-9	Sequence 9, Appl
603	6	2.0	1129	3	US-08-904-871-11	Sequence 11, Appl	676	6	2.0	2588	3	US-08-936-135-2	Sequence 3, Appl
604	6	2.0	1140	4	US-09-220-081-2	Sequence 2, Appl	677	6	2.0	2647	2	US-08-586-562B-8	Sequence 8, Appl
605	6	2.0	1143	2	US-08-310-912A-108	Sequence 108, App	678	6	2.0	2703	1	US-08-185-413-19	Sequence 19, Appl
606	6	2.0	1143	5	PCT-US95-04589-108	Sequence 108, App	679	6	2.0	2818	1	US-08-510-284-1	Sequence 1, Appl
607	6	2.0	1144	1	US-08-261-663A-2	Sequence 2, Appl	680	6	2.0	2818	1	US-08-411-389-2	Sequence 2, Appl
608	6	2.0	1144	1	US-08-261-663A-4	Sequence 4, Appl	681	6	2.0	2818	1	US-08-411-389-2	Sequence 2, Appl
609	6	2.0	1144	3	US-08-930-996A-9	Sequence 9, Appl	682	6	2.0	2887	2	US-08-449-933-2	Sequence 2, Appl
610	6	2.0	1144	5	PCT-US95-07754A-2	Sequence 2, Appl	683	6	2.0	2887	4	US-08-462-467B-2	Sequence 2, Appl
611	6	2.0	1144	5	PCT-US95-07754A-4	Sequence 4, Appl	684	6	2.0	3033	1	US-07-925-695-8	Sequence 8, Appl

ALIGNMENTS

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685      6      2.0      3033      1      US-07-925-695-9      Sequence 9, Appli
686      6      2.0      3218      1      US-08-764-100-27      Sequence 27, Appl
687      6      2.0      3672      2      US-08-822-445-12      Sequence 12, Appl
688      6      2.0      3729      2      US-08-804-227C-4      Sequence 4, Appli
689      6      2.0      3739      4      US-09-320-878-2      Sequence 2, Appli
690      6      2.0      3801      2      US-08-822-445-10      Sequence 10, Appl
691      6      2.0      4544      1      US-08-469-486-52      Sequence 52, Appl
692      6      2.0      4544      2      US-08-469-658-52      Sequence 52, Appl
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RESULT 1
US-08-794-796-2
; Sequence 2, Application US/08794796
; Patent No. 5885600
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; GENERAL INFORMATION:
; APPLICANT: Emery, John
; APPLICANT: Tan, KB
; APPLICANT: Truneh, Alem
; APPLICANT: Young, Peter
; TITLE OF INVENTION: Tumor Necrosis Related Receptor
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/794,796
; FILING DATE: 04-FEB-1997
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Han, William T
; REGISTRATION NUMBER: 34,344
; REFERENCE/DOCKET NUMBER: GH50000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5219
; TELEFAX: 610-270-4026
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 300 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-794-796-2
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Query Match 100.0%; Score 300; DB 2; Length 300;
Best Local Similarity 100.0%; Pred. No. 1.4e-267;
Matches 300; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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DB 1 MRALEGSLILCLIVLALPALIPYPAVAGVAETPTYPWRDLETGERLYCAACPGTFVQR 60
QY 61 PCRDSPTGCPDPRHHTQWNTLRCRYCNVLCGEREEERARACHATHNACRCRTGFF 120
DB 61 PCRDSPTGCPDPRHHTQWNTLRCRYCNVLCGEREEERARACHATHNACRCRTGFF 120
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QY 121 AHAGCIEHASCPCGAGVIATGTPSQNTCCPCPGTFSSASSSSSEOCQPHRNCTALGLA 180
DB 121 AHAGCIEHASCPCGAGVIATGTPSQNTCCPCPGTFSSASSSSSEOCQPHRNCTALGLA 180
QY 181 INVPGSSHDPLCTSCGTFPLSTRVPGAECECERAVIDEVAFODISIKRLQALAEAPE 240
DB 181 INVPGSSHDPLCTSCGTFPLSTRVPGAECECERAVIDEVAFODISIKRLQALAEAPE 240
QY 241 GWPTRPRAGRALQIKLRRLTELLGNODGALLVRLQALVARNPGLERSVREPLPVH 300
DB 241 GWPTRPRAGRALQIKLRRLTELLGNODGALLVRLQALVARNPGLERSVREPLPVH 300
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RESULT 2
US-08-938-548B-4
; Sequence 4, Application US/08938548B
; Patent No. 6001963
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; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382
; FILING DATE: 2-JUL-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/820,519
; FILING DATE: 19-MAR-1997
; APPLICATION NUMBER: 60/033,604
; FILING DATE: 17-DEC-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Elizabeth J. Hecht
; REGISTRATION NUMBER: 41,824
; REFERENCE/DOCKET NUMBER: ATG50037-2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-5009
; TELEFAX: 610-270-5090
; TELEX:
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 28 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-938-548B-4
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Query Match 2.7%; Score 8; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 1.2;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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OY 228 RLORLQA 235
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Db 10 RLORLQA 17

RESULT 3

US-08-938-548B-9
; Sequence 9, Application US/08938548B
; Patent No. 6001963

GENERAL INFORMATION:

APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derek
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellal, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997

APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997

ATTORNEY/AGENT INFORMATION:

NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824

REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090

TELEX:

INFORMATION FOR SEQ ID NO: 9:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-938-548B-9

Query Match

Best Local Similarity 2.7%; Score 8; DB 3; Length 28;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLORLQA 235
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Db 10 RLORLQA 17

RESULT 4

US-08-938-548B-12
; Sequence 12, Application US/08938548B
; Patent No. 6001963

GENERAL INFORMATION:
APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derek
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David
APPLICANT: Gellal, Miklos

TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESSES:
ADDRESSEE: SmithKline Beecham Corporation
STREET: 709 Swedeland Road
CITY: King of Prussia
STATE: PA
COUNTRY: United States of America
ZIP: 19406

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FASTSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/938,548B
FILING DATE: 26-SEPT-1997

CLASSIFICATION: 536

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/887,382
FILING DATE: 2-JUL-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997

APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997

ATTORNEY/AGENT INFORMATION:

NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824

REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:

TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090

TELEX:

INFORMATION FOR SEQ ID NO: 12:

SEQUENCE CHARACTERISTICS:

LENGTH: 28 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-938-548B-12

Query Match

Best Local Similarity 2.7%; Score 8; DB 3; Length 28;

Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLORLQA 235
|||||||
Db 10 RLORLQA 17

RESULT 5

US-08-938-548B-10
; Sequence 10, Application US/08938548B
; Patent No. 6001963

GENERAL INFORMATION:

APPLICANT: Yanagisawa, Masashi
APPLICANT: Bergsma, Derek
APPLICANT: Wilson, Shelagh
APPLICANT: Brooks, David

APPLICANT: Gellal, Miklos
TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
TITLE OF INVENTION: RECEPTOR HFGAN72
NUMBER OF SEQUENCES: 21

US-08-938-548B-10

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Smithkline Beecham Corporation
;; STREET: 709 Swedeland Road
;; CITY: King of Prussia
;; STATE: PA
;; COUNTRY: United States of America
;; ZIP: 19406
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/938,548B
;; FILING DATE: 26-SEPT-1997
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/887,382
;; FILING DATE: 2-JUL-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/820,519
;; FILING DATE: 19-MAR-1997
;; APPLICATION NUMBER: 60/033,604
;; FILING DATE: 17-DEC-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Elizabeth J. Hecht
;; REGISTRATION NUMBER: 41,824
;; REFERENCE/DOCKET NUMBER: ATG50037-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 610-270-5009
;; TELEFAX: 610-270-5090
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 123 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-938-548B-10

Query Match 2.7%; Score 8; DB 3; Length 123;
Best Local Similarity 100.0%; Pred. No. 4.4;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLLQA 235
Db 71 RLQRLLQA 78

RESULT 6
US-08-938-548B-6
; Sequence 6, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; TITLE OF INVENTION: RECEPTOR HFGAN72
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette

;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows Version 2.0
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/938,548B
;; FILING DATE: 26-SEPT-1997
;; CLASSIFICATION: 536
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/887,382
;; FILING DATE: 2-JUL-1997
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/820,519
;; FILING DATE: 19-MAR-1997
;; APPLICATION NUMBER: 60/033,604
;; FILING DATE: 17-DEC-1997
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Elizabeth J. Hecht
;; REGISTRATION NUMBER: 41,824
;; REFERENCE/DOCKET NUMBER: ATG50037-2
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 610-270-5009
;; TELEFAX: 610-270-5090
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 6:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 130 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; US-08-938-548B-6

Query Match 2.7%; Score 8; DB 3; Length 130;
Best Local Similarity 100.0%; Pred. No. 4.6;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLQRLLQA 235
Db 78 RLQRLLQA 85

RESULT 7
US-08-938-548B-2
; Sequence 2, Application US/08938548B
; Patent No. 6001963
; GENERAL INFORMATION:
; APPLICANT: Yanagisawa, Masashi
; APPLICANT: Bergsma, Derk
; APPLICANT: Wilson, Shelagh
; APPLICANT: Brooks, David
; APPLICANT: Gellai, Miklos
; TITLE OF INVENTION: NOVEL LIGANDS OF THE NEUROPEPTIDE
; TITLE OF INVENTION: RECEPTOR HFGAN72
; NUMBER OF SEQUENCES: 21
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Smithkline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: United States of America
; ZIP: 19406
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/938,548B
; FILING DATE: 26-SEPT-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/887,382

FILED DATE: 2-JUL-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/820,519
FILING DATE: 19-MAR-1997
APPLICATION NUMBER: 60/033,604
FILING DATE: 17-DEC-1997
ATTORNEY/AGENT INFORMATION:
NAME: Elizabeth J. Hecht
REGISTRATION NUMBER: 41,824
REFERENCE/DOCKET NUMBER: ATG50037-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 610-270-5009
TELEFAX: 610-270-5090
TELEX:
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 131 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-938-548B-2

Query Match 2.7%; Score 8; DB 3; Length 131;
Best Local Similarity 100.0%; Pred. No. 4.7;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RLRRLQA 235
DB 79 RLRRLQA 86

RESULT 8
US-08-313-288B-19
Sequence 19, Application US/08313288B
Patent No. 5750502
GENERAL INFORMATION:
APPLICANT: Jessell, Thomas M. and Avihu Klar
TITLE OF INVENTION: CLONING, EXPRESSION AND USES OF A
NUMBER OF INVENTION: NOVEL SECRETED PROTEIN, F-SPONDIN
TITLE OF INVENTION: 20
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: USA
ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,288B
FILING DATE: January 5, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 40028-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 278-0400
TELEFAX: (212) 391-0526
TELEX:
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 1172 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

US-08-313-288B-19

Query Match 2.7%; Score 8; DB 1; Length 1172;
Best Local Similarity 100.0%; Pred. No. 33;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 ALEGPGLS 10
DB 102 ALEGPGLS 109

RESULT 9
US-08-804-227C-2
Sequence 2, Application US/08804227C
Patent No. 5876991
GENERAL INFORMATION:
APPLICANT: Dehoff, Bradley S.
APPLICANT: Kuhstoss, Stuart A.
APPLICANT: Rostock, Paul R., Jr.
APPLICANT: Sutton, Kimberly L.
TITLE OF INVENTION: POLYPEPTIDE SYNTHASE GENES
NUMBER OF SEQUENCES: 15
CORRESPONDENCE ADDRESS:
ADDRESSEE: THOMAS G. PLANT 1501
STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
STATE: IN
COUNTRY: USA
ZIP: 46285
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS
SOFTWARE: ASCII(DOS) Text only
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/804,227C
FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231
TELECOMMUNICATION INFORMATION:
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 4472 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-804-227C-2

Query Match 2.7%; Score 8; DB 2; Length 4472;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 257 LRRRLTEL 264
DB 4424 LRRRLTEL 4431

RESULT 10
US-07-776-272-25
Sequence 25, Application US/07776272
Patent No. 5612454
GENERAL INFORMATION:
APPLICANT: Kaminuma, Toshihiko
APPLICANT: Iida, Toshihiko
APPLICANT: Tajima, Masahiro
TITLE OF INVENTION: Process for Purification of Polypeptide
NUMBER OF SEQUENCES: 31

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Wegner, Cantor, Mueller & Player
;; STREET: 1233 20th St. N.W. P.O. Box 18218
;; CITY: Washington
;; STATE: District of Columbia
;; COUNTRY: United States of America
;; ZIP: 20036-8218
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/776,272
;; FILING DATE: 19911129
;; CLASSIFICATION: 530
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Player, William E
;; REGISTRATION NUMBER: 31,409
;; REFERENCE/DOCKET NUMBER: P-450-23167
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-887-0400
;; TELEFAX: 202-887-0605
;;
;; INFORMATION FOR SEQ ID NO: 25:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 26 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEetical: YES
;;
US-07-776-272-25

Query Match 2.3%; Score 7; DB 1; Length 26;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLIQ 234
|||
Db 17 RLQRLIQ 23

;; RESULT 11
;; US-07-924-054-10
;; Sequence 10, Application US/07924054
;; Patent No. 5486472
;;
;; GENERAL INFORMATION:
;; APPLICANT: SUZUKI, No. 5486472uhiro
;; APPLICANT: TSUDA, Masao
;; TITLE OF INVENTION: ANTIBODY TO PACAP AND USE THEREOF
;; NUMBER OF SEQUENCES: 11
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: DAVID G. CONLIN, DIKE, BRONSTEIN, ROBERTS &
;; ADDRESSEE: CUSHMAN
;; STREET: 130 Water Street
;; CITY: Boston
;; STATE: Massachusetts
;; COUNTRY: US
;; ZIP: 02109
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.25
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/07/924,054
;; FILING DATE: 19920903
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: RESNICK, David S
;; REGISTRATION NUMBER: 34235

;; REFERENCE/DOCKET NUMBER: 40805
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (617)523-3400
;; TELEFAX: (617)523-6440
;;
;; INFORMATION FOR SEQ ID NO: 10:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 27 amino acids
;; TYPE: AMINO ACID
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;;
US-07-924-054-10

Query Match 2.3%; Score 7; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLIQ 234
|||
Db 18 RLQRLIQ 24

;; RESULT 12
;; US-08-062-472B-43
;; Sequence 43, Application US/08062472B
;; Patent No. 5695954
;;
;; GENERAL INFORMATION:
;; APPLICANT: Sherwood, Nancy G M
;; APPLICANT: Parker, David B
;; APPLICANT: McGorry, John E
;; APPLICANT: Lescheid, David W
;; TITLE OF INVENTION: DNA ENCODING TWO FISH NEUROPEPTIDES
;; NUMBER OF SEQUENCES: 49
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: KLARQUIST, SPARKMAN, CAMPBELL, LEIGH &
;; ADDRESSEE: WHINSTON, LLP
;; STREET: ONE WORLD TRADE CENTER, SUITE 1600, 121 S.W.
;; CITY: PORTLAND
;; STATE: OREGON
;; COUNTRY: USA
;; ZIP: 97204-2988
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patentln Release #1.0, Version #1.30
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/062,472B
;; FILING DATE: 14-MAY-1993
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: POLLEY, RICHARD J
;; REGISTRATION NUMBER: 28107
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (503) 226-7391
;; TELEFAX: (503) 228-9446
;;
;; INFORMATION FOR SEQ ID NO: 43:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 27 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;;
US-08-062-472B-43

Query Match 2.3%; Score 7; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 228 RLQRLIQ 234

Db 18 RIORLQ 24

```

RESULT 13
US-08-519-180-6
; Sequence 6, Application US/08519180
; Patent No. 5770570
; GENERAL INFORMATION:
; APPLICANT: PAUL, SUDHIR
; APPLICANT: YASUOKA, NODA
; APPLICANT: ISRAEL, RUBINSTEIN
; TITLE OF INVENTION: A METHOD OF DELIVERING A VASOACTIVE
; TITLE OF INVENTION: INTESTINAL POLYPEPTIDE, AN ENCAPSULATED VASOACTIVE
; TITLE OF INVENTION: INTESTINAL POLYPEPTIDE, AND A METHOD OF MAKING THE
; TITLE OF INVENTION: ENCAPSULATED VASOACTIVE INTESTINAL POLYPEPTIDE
; NUMBER OF SEQUENCES: 13
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/519,180
; FILING DATE: 25-AUG-1995
; CLASSIFICATION: 514
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/224488
; FILING DATE: 07-APR-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: SEMINAUER, JEFFREY A.
; REGISTRATION NUMBER: 31,933
; REFERENCE/DOCKET NUMBER: 4464/98971
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-861-3000
; TELEFAX: 202-822-0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-519-180-6

Query Match 2.3%; Score 7; DB 1; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLQ 234
Db 18 RIORLQ 24

RESULT 14
US-08-818-253-36
; Sequence 36, Application US/08818253
; Patent No. 5998204
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; TITLE OF INVENTION: DETECTION OF ANALYTES
; NUMBER OF SEQUENCES: 61

```

```

; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Fish & Richardson P.C.
; STREET: 4225 Executive Square, Suite 1400
; CITY: La Jolla
; STATE: CA
; COUNTRY: USA
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: Windows 95
; SOFTWARE: FastSeq for Windows Version 2.0b
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/818,253
; FILING DATE: 14-MAR-1997
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Haile, Ph.D., Lisa A.
; REGISTRATION NUMBER: 38,347
; REFERENCE/DOCKET NUMBER: 07257/043001
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619/678-5070
; TELEFAX: 619/678-5099
; INFORMATION FOR SEQ ID NO: 36:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 27 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-818-253-36

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Query Match 2.3%; Score 7; DB 2; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLQ 234
Db 18 RIORLQ 24

```

RESULT 15
US-08-818-252-36
; Sequence 36, Application US/08818252B
; Patent No. 6197928
; GENERAL INFORMATION:
; APPLICANT: Tsien, Roger Y.
; APPLICANT: Miyawaki, Atsushi
; TITLE OF INVENTION: FLUORESCENT PROTEIN SENSORS FOR
; TITLE OF INVENTION: DETECTION OF ANALYTES
; FILE REFERENCE: 07257/042001
; CURRENT APPLICATION NUMBER: US/08/818,252B
; CURRENT FILING DATE: 1997-03-14
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 36
; LENGTH: 27
; TYPE: PRT
; ORGANISM: Sus scrofa
; US-08-818-252-36

```

Query Match 2.3%; Score 7; DB 4; Length 27;
Best Local Similarity 100.0%; Pred. No. 9.3;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 228 RIORLQ 234
Db 18 RIORLQ 24

RESULT 16
US-08-583-569-1
Sequence 1, Application US/08583569
Patent No. 5869234
GENERAL INFORMATION:
APPLICANT: Knipe, David M.
APPLICANT: Xia, Kai
TITLE OF INVENTION: METHOD OF IDENTIFYING COMPOUNDS
TITLE OF INVENTION: WHICH
TITLE OF INVENTION: MODULATE HERPESVIRUS INFECTION
NUMBER OF SEQUENCES: 6
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millia Drive
CITY: Lexington
STATE: Massachusetts
COUNTRY: USA
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/583,569
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Brook, David E.
REGISTRATION NUMBER: 22,592
REFERENCE/DOCKET NUMBER: H095-08
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 861-6240
TELEFAX: (617) 861-9540
INFORMATION FOR SEO ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 69 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-583-569-1
Query Match 2.3%; Score 7; DB 2; Length 69;
Best Local Similarity 100.0%; Pred. No. 22;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 159 SASSSS 165
DB 49 SASSSS 55
RESULT 17
US-08-374-843B-6
Sequence 6, Application US/08374843B
Patent No. 5726016
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Street
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,843B
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215) 567-2991
TELEX: 831-494
INFORMATION FOR SEO ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-374-843B-6
Query Match 2.3%; Score 7; DB 1; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 257 LRRRLTE 263
DB 133 LRRRLTE 139
RESULT 18
US-08-374-843B-10
Sequence 10, Application US/08374843B
Patent No. 5726016
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Street
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/374,843B
FILING DATE: 18-JAN-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215) 567-2991
TELEX: 831-494
INFORMATION FOR SEO ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid

TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-374-843B-10

Query Match 2.3%; Score 7; DB 1; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||||
DB 133 LRRRLTE 139

RESULT 19
US-08-905-420-6
Sequence 6, Application US/08905420
Patent No. 5861255
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
TITLE OF INVENTION: ACTINOMYCETEMCOMITANS INFECTION
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/905,420
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/374,843
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215)567-2991
TELEX: 831-494
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-905-420-6

Query Match 2.3%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||||
DB 133 LRRRLTE 139

RESULT 20
US-08-905-420-10

Sequence 10, Application US/08905420
Patent No. 5861255
GENERAL INFORMATION:
APPLICANT: Demuth, Donald R.
APPLICANT: Lally, Edward T.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSIS
TITLE OF INVENTION: OF DISEASES ASSOCIATED WITH ACTINOBACILLUS
TITLE OF INVENTION: ACTINOMYCETEMCOMITANS INFECTION
NUMBER OF SEQUENCES: 29
CORRESPONDENCE ADDRESS:
ADDRESSEE: PANITCH SCHWARZE JACOBS & NADEL, P.C.
STREET: 1601 Market Street, 36th Floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103-2398
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/905,420
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/374,843
FILING DATE: 18-JAN-1995
ATTORNEY/AGENT INFORMATION:
NAME: Leary, Kathryn Ph.D.
REGISTRATION NUMBER: 36,317
REFERENCE/DOCKET NUMBER: 9596-7 (F-1080)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (215) 567-2020
TELEFAX: (215)567-2991
TELEX: 831-494
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 150 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-905-420-10

Query Match 2.3%; Score 7; DB 2; Length 150;
Best Local Similarity 100.0%; Pred. No. 43;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 257 LRRRLTE 263
|||||||
DB 133 LRRRLTE 139

RESULT 21
US-08-185-432-6
Sequence 6, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Bussseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND COMPOSITIONS
TITLE OF INVENTION: ANTIBODIES, AND RELATED METHODS AND COMPOSITIONS
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.

ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 181 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-6

Query Match 2.3%; Score 7; DB 1; Length 181;
Best Local Similarity 100.0%; Pred. No. 51;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSS 165
Db 40 SASSSS 46

RESULT 22
US-09-066-408-12
Sequence 12, Application US/09066408
Patent No. 6060448
GENERAL INFORMATION:
APPLICANT: Smith, John Arthur
APPLICANT: Milkinson, Mark Charles
APPLICANT: Liu, Qing-ming
TITLE OF INVENTION: Casein Fragments Having Growth Promoting
TITLE OF INVENTION: Activity
NUMBER OF SEQUENCES: 12
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/066,408
FILING DATE: 13-MAR-1998
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/GB96/02658
FILING DATE: 31-OCT-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9522302.0
FILING DATE: 31-OCT-1995
ATTORNEY/AGENT INFORMATION:
NAME: Dow, Karen B.
REGISTRATION NUMBER: 29,684
REFERENCE/DOCKET NUMBER: 018317-000100US

TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 12:
SEQUENCE CHARACTERISTICS:
LENGTH: 235 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
MOLECULE TYPE: protein
FEATURE:
NAME/KEY: Protein
LOCATION: 1..235
OTHER INFORMATION:
OTHER INFORMATION: precursor
US-09-066-408-12

Query Match 2.3%; Score 7; DB 3; Length 235;
Best Local Similarity 100.0%; Pred. No. 65;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 160 ASSSSSE 166
Db 69 ASSSSSE 75

RESULT 23
PCT-US96-12374-2
Sequence 2, Application PC/TUS9612374
GENERAL INFORMATION:
APPLICANT: Northwestern University
TITLE OF INVENTION: Herpes Virus Entry Mediator
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Dressler, Goldsmith, Milnamow & Katz, Ltd.
STREET: 180 N. Stetson, Suite 4700
CITY: Chicago
STATE: Illinois
COUNTRY: U.S.A.
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US96/12374
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Northrup, Thomas E.
REGISTRATION NUMBER: 33,268
REFERENCE/DOCKET NUMBER: NOR3446P020PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: (312) 616-5400
TELEFAX: (312) 616-5460
TELEX: --
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 283 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
PCT-US96-12374-2

Query Match 2.3%; Score 7; DB 5; Length 283;
Best Local Similarity 100.0%; Pred. No. 77;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 153 CPPGTF 159
Db 11111111

Db 165 CPGTFS 171

RESULT 24

US-08-965-903B-8

Sequence 8, Application US/08965903B

Patent No. 6060275

GENERAL INFORMATION:

APPLICANT: Hachon, NIT

APPLICANT: Krasnow, Mark A.

TITLE OF INVENTION: SPROUTY PROTEIN AND CODING

TITLE OF INVENTION: SEQUENCE

NUMBER OF SEQUENCES: 20

CORRESPONDENCE ADDRESS:

ADDRESSEE: Dellinger & Associates

STREET: 350 Cambridge Ave., Suite 250

CITY: Palo Alto

STATE: CA

COUNTRY: USA

ZIP: 94306

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: DOS

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/965,903B

FILING DATE: 07-NOV-1997

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 60/030232

FILING DATE: 07-NOV-1996

TELECOMMUNICATION INFORMATION:

REFERENCE/DOCKET NUMBER: 8600-0177.30

TELEPHONE: 650-324-0880

TELEFAX: 650-324-0960

TELEX:

INFORMATION FOR SEQ ID NO: 8:

SEQUENCE CHARACTERISTICS:

LENGTH: 315 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FRAGMENT TYPE: internal

ORIGINAL SOURCE:

INDIVIDUAL ISOLATE: h-spry2 protein

US-08-965-903B-8

Query Match 2.3%; Score 7; DB 3; Length 315;

Best Local Similarity 100.0%; Pred. No. 85;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 161 SSSSSEQ 167

Db 127 SSSSSEQ 133

RESULT 25

US-08-888-429A-21

Sequence 21, Application US/08888429A

Patent No. 6136596

GENERAL INFORMATION:

APPLICANT: Davis, Roger J.

APPLICANT: Whitmarsh, Alan

APPLICANT: Tournier, Cathy

TITLE OF INVENTION: CYTOKINE-, STRESS-, AND ONCOPROTEIN-

TITLE OF INVENTION: ACTIVATED HUMAN PROTEIN KINASE KINASES

NUMBER OF SEQUENCES: 34

CORRESPONDENCE ADDRESS:

ADDRESSEE: Fish & Richardson P.C.

STREET: 225 Franklin Street

CITY: Boston

STATE: MA

COUNTRY: USA

ZIP: 02110-2804

COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette

COMPUTER: IBM Compatible

OPERATING SYSTEM: Windows95

SOFTWARE: FastSeq for Windows Version 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/888,429A

FILING DATE: 07-JUL-1997

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/530,950

FILING DATE: 19-SEP-1995

APPLICATION NUMBER: 08/446,083

FILING DATE: 19-MAY-1995

ATTORNEY/AGENT INFORMATION:

NAME: Fasse, Peter J.

REGISTRATION NUMBER: 32,983

REFERENCE/DOCKET NUMBER: 07917/053001

TELECOMMUNICATION INFORMATION:

TELEPHONE: 617/542-5070

TELEFAX: 617/542-8906

TELEX: 299354

INFORMATION FOR SEQ ID NO: 21:

SEQUENCE CHARACTERISTICS:

LENGTH: 393 amino acids

TYPE: amino acid

TOPOLOGY: linear

MOLECULE TYPE: protein

US-08-888-429A-21

Query Match 2.3%; Score 7; DB 4; Length 393;

Best Local Similarity 100.0%; Pred. No. 1e+02; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165

Db 1 SASSSSS 7

RESULT 26

US-08-123-343A-5

Sequence 5, Application US/08123343A

Patent No. 5593879

GENERAL INFORMATION:

APPLICANT: Steller, Hermann

APPLICANT: Abrams, John M.

APPLICANT: Grether, Megan E.

APPLICANT: White, Kristin

TITLE OF INVENTION: Cell Death Genes of Drosophila

TITLE OF INVENTION: Melanogaster and Vertebrate Analogs

NUMBER OF SEQUENCES: 16

CORRESPONDENCE ADDRESS:

ADDRESSEE: Hamilton, Brook, Smith & Reynolds, P.C.

STREET: Two Militia Drive

CITY: Lexington

STATE: MA

COUNTRY: US

ZIP: 02173

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/123,343A

FILING DATE: 17-SEP-1993

CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,957
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-5907A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 61861-9540
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-123-343A-5

Query Match 2.3%; Score 7; DB 1; Length 410;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||||
DB 53 SASSSSS 59

RESULT 27
US-08-123-343A-7
Sequence 7, Application US/08123343A
Patent No. 5593879
GENERAL INFORMATION:
APPLICANT: Steller, Hermann
APPLICANT: Abrams, John M.
APPLICANT: Grether, Megan E.
APPLICANT: White, Kristin
TITLE OF INVENTION: Cell Death Genes of Drosophila
TITLE OF INVENTION: Melanogaster and Vertebrate Analogs
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSER: Hamilton, Brook, Smith & Reynolds, P.C.
STREET: Two Millitia Drive
CITY: Lexington
STATE: MA
COUNTRY: US
ZIP: 02173
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/123,343A
FILING DATE: 17-SEP-1993
CLASSIFICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/004,957
FILING DATE: 15-JAN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Granahan, Patricia
REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: MIT-5907A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-861-6240
TELEFAX: 61861-9540
INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 410 amino acids
TYPE: amino acid
STRANDEDNESS: unknown

TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-123-343A-7

Query Match 2.3%; Score 7; DB 1; Length 410;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||||
DB 53 SASSSSS 59

RESULT 28
US-08-318-947A-16
Sequence 16, Application US/08318947A
Patent No. 5798245
GENERAL INFORMATION:
APPLICANT: Anderson, Paul J.
APPLICANT: Tian, Qingsheng
TITLE OF INVENTION: TIA-1 BINDING PROTEINS AND ISOLATED
TITLE OF INVENTION: COMPLEMENTARY DNA ENCODING THE SAME
NUMBER OF SEQUENCES: 21
CORRESPONDENCE ADDRESS:
ADDRESSER: Sughrue, Miron, Zinn, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/318,947A
FILING DATE: 06-OCT-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-318-947A-16

Query Match 2.3%; Score 7; DB 1; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 229 LQRLQA 235
|||||||
DB 21 LQRLQA 27

RESULT 29
US-08-795-303-16
Sequence 16, Application US/08795303
Patent No. 5948556

GENERAL INFORMATION:
APPLICANT: Anderson, Paul J.
APPLICANT: Tian, Qingsheng
TITLE OF INVENTION: TTA-1 BINDING PROTEINS AND ISOLATED
NUMBER OF SEQUENCES: 21
COMPLEMENTARY DNA ENCODING THE SAME
CORRESPONDENCE ADDRESS:
ADDRESSEE: Sughrie, Mion, Zimu, Macpeak & Seas
STREET: 2100 Pennsylvania Avenue, NW Suite 800
CITY: Washington
STATE: DC
COUNTRY: USA
ZIP: 20037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/795,303
FILING DATE: 04-FEB-1997
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/318,947
FILING DATE: 06-OCT-1994
APPLICATION NUMBER: 08/133,530
FILING DATE: 07-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Mack, Susan J.
REGISTRATION NUMBER: 30,951
REFERENCE/DOCKET NUMBER: A6462
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202)293-7060
TELEFAX: (202)293-2920
TELEX: 6491103
INFORMATION FOR SEQ ID NO: 16:
SEQUENCE CHARACTERISTICS:
LENGTH: 430 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-795-303-16

Query Match 2.3%; Score 7; DB 2; Length 430;
Best Local Similarity 100.0%; Pred. No. 1.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 229 LORLQA 235
|||||
DB 21 LORLQA 27

RESULT 30
US-08-946-241B-2
Sequence 2, Application US/08946241B
Patent No. 5928941
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA Nulley, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS

SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/946,241B
FILING DATE: 07-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 470 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-946-241B-2

Query Match 2.3%; Score 7; DB 2; Length 470;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSS 165
|||||
DB 120 SASSSS 126

RESULT 31
US-09-309-053-2
Sequence 2, Application US/09309053
Patent No. 6077933
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA Nulley, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSeq Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/309,053
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/946,241
FILING DATE: 07-OCT-1997
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070

TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 470 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-09-309-053-2

Query Match 2.3%; Score 7; DB 3; Length 470;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 120 SASSSSS 126

RESULT 32
US-08-946-241B-9
Sequence 9, Application US/08946241B
Patent No. 5928941
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA'NULTY, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/946,241B
FILING DATE: 07-OCT-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-08-946-241B-9

Query Match 2.3%; Score 7; DB 2; Length 479;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165

Db 129 SASSSSS 135

RESULT 33
US-09-309-053-9
Sequence 9, Application US/09309053
Patent No. 6077933
GENERAL INFORMATION:
APPLICANT: Lee, Mu-En
APPLICANT: MCA'NULTY, Megan M.
TITLE OF INVENTION: REPRESSOR KRUPPEL-LIKE FACTOR
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson P.C.
STREET: 225 Franklin Street
CITY: Boston
STATE: MA
COUNTRY: USA
ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FASTSEQ Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/309,053
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/946,241
FILING DATE: 07-OCT-1997
APPLICATION NUMBER: 60/030,035
FILING DATE: 05-NOV-1996
APPLICATION NUMBER: 60/027,521
FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Creason, Gary L.
REGISTRATION NUMBER: 34,310
REFERENCE/DOCKET NUMBER: 05433/027001
TELECOMMUNICATION INFORMATION:
TELEPHONE: 617-542-5070
TELEFAX: 617-542-8906
TELEX: 200154
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 479 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: Internal
US-09-309-053-9

Query Match 2.3%; Score 7; DB 3; Length 479;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 129 SASSSSS 135

RESULT 34
US-08-469-412A-7
Sequence 7, Application US/08469412A
Patent No. 5856125
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
APPLICANT: Blair, Donald G.
APPLICANT: Fisher, Robert J.
APPLICANT: Beal Jr., Gregory J.
APPLICANT: Athanasios, Meropi A.
APPLICANT: Sgouras, Dionysios N.

```

: TITLE OF INVENTION: The ERF Genetic Locus and Its Products
: NUMBER OF SEQUENCES: 16
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/469,412A
: FILING DATE: 05-JUN-1995
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Garrett-Wackowski, Eugenia
: REGISTRATION NUMBER: 37,330
: REFERENCE/DOCKET NUMBER: 015280-229000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 543 amino acids
: TYPE: amino acid
: STRANDEDNESS:
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..543
: OTHER INFORMATION: /note="murine ERF amino acid sequence
: OTHER INFORMATION: (first 8 amino acids from first exon not
: OTHER INFORMATION: included)"
: US-08-469-412A-7

Query Match      2.3%; Score 7; DB 2; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
   |||||
Db 355 SASSSSS 361

RESULT 35
US-09-021-715-7
: Sequence 7, Application US/09021715
: Patent No. 6194547
: GENERAL INFORMATION:
: APPLICANT: Mavrothalassitis, George J.
:   Blair, Donald G.
:   Fisher, Robert J.
:   Beal Jr., Gregory J.
:   Athanasiou, Meropi A.
:   Sgouras, Dionysios N.
: TITLE OF INVENTION: The ERF Genetic Locus and Its Products
: NUMBER OF SEQUENCES: 16
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
```

```

: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/021,715
: FILING DATE: 10-Feb-1998
: CLASSIFICATION: <unknown>
: ATTORNEY/AGENT INFORMATION:
: NAME: Garrett-Wackowski, Eugenia
: REGISTRATION NUMBER: 37,330
: REFERENCE/DOCKET NUMBER: 015280-229000
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (415) 576-0200
: TELEFAX: (415) 576-0300
: INFORMATION FOR SEQ ID NO: 7:
: SEQUENCE CHARACTERISTICS:
: LENGTH: 543 amino acids
: TYPE: amino acid
: STRANDEDNESS: <unknown>
: TOPOLOGY: linear
: MOLECULE TYPE: protein
: FEATURE:
: NAME/KEY: Protein
: LOCATION: 1..543
: OTHER INFORMATION: /note="murine ERF amino acid sequence
: OTHER INFORMATION: (first 8 amino acids from first exon not
: OTHER INFORMATION: included)"
: US-09-021-715-7

Query Match      2.3%; Score 7; DB 4; Length 543;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
   |||||
Db 355 SASSSSS 361

RESULT 36
US-08-469-412A-2
: Sequence 2, Application US/08469412A
: Patent No. 5856125
: GENERAL INFORMATION:
: APPLICANT: Mavrothalassitis, George J.
:   Applicant: Blair, Donald G.
:   Applicant: Fisher, Robert J.
:   Applicant: Beal Jr., Gregory J.
:   Applicant: Athanasiou, Meropi A.
:   Applicant: Sgouras, Dionysios N.
: TITLE OF INVENTION: The ERF Genetic Locus and Its Products
: NUMBER OF SEQUENCES: 16
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Townsend and Townsend and Crew LLP
: STREET: Two Embarcadero Center, Eighth Floor
: CITY: San Francisco
: STATE: California
: COUNTRY: USA
: ZIP: 94111-3834
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/469,412A
: FILING DATE: 05-JUN-1995
: CLASSIFICATION: 435
: ATTORNEY/AGENT INFORMATION:
: NAME: Garrett-Wackowski, Eugenia
: REGISTRATION NUMBER: 37,330
: REFERENCE/DOCKET NUMBER: 015280-229000
: TELECOMMUNICATION INFORMATION:
```

TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-469-412A-2

Query Match 2.3%; Score 7; DB 2; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 363 SASSSSS 369

RESULT 37
US-09-021-715-2
Sequence 2, Application US/09021715
Patent No. 6194547
GENERAL INFORMATION:
APPLICANT: Mavrothalassitis, George J.
Blair, Donald G.
Fisher, Robert J.
Beal Jr., Gregory J.
Athanasios, Merope A.
Sgouras, Dionysios N.
TITLE OF INVENTION: The ERF Genetic Locus and Its Products
NUMBER OF SEQUENCES: 16
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, Eighth Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/021,715
FILING DATE: 10-Feb-1998
CLASSIFICATION: <unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Garrett-Wackowski, Eugenia
REGISTRATION NUMBER: 37,330
REFERENCE/DOCKET NUMBER: 015380-229000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 576-0200
TELEFAX: (415) 576-0300
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 548 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 2:
US-09-021-715-2

Query Match 2.3%; Score 7; DB 4; Length 548;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 363 SASSSSS 369

RESULT 38
US-08-185-432-2
Sequence 2, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Busseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 737 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-2

Query Match 2.3%; Score 7; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 345 SASSSSS 351

RESULT 39
US-08-185-432-4
Sequence 4, Application US/08185432
Patent No. 5750652
GENERAL INFORMATION:
APPLICANT: Artavanis-Tsakonas, Spyridon
APPLICANT: Busseau, Isabelle
APPLICANT: Diederich, Robert J.
APPLICANT: Xu, Tian
APPLICANT: Matsuno, Kenji
TITLE OF INVENTION: DELTEX PROTEINS, NUCLEIC ACIDS, AND
NUMBER OF SEQUENCES: 23
CORRESPONDENCE ADDRESS:
ADDRESSEE: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas

CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/195,432
FILING DATE: 21-JAN-1994
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Mistock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 7326-006
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-8864/9741
TELEX: 66141 PENNTE
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 737 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-185-432-4

Query Match 2.3%; Score 7; DB 1; Length 737;
Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
DB 345 SASSSSS 351

RESULT 40
US-08-416-950-11
Sequence 11, Application US/08416950
Patent No. 5780036
GENERAL INFORMATION:
APPLICANT: CHISARI, Francis V.
TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS B VIRUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: One Market Plaza, Stewart Street Tower
CITY: San Francisco
STATE: CA
COUNTRY: U.S.A.
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/416,950
FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US
FILING DATE:
APPLICATION NUMBER: US 07/935,898
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/749,540
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:

NAME: Parmelee, Steven W.
REGISTRATION NUMBER: 31,990
REFERENCE/DOCKET NUMBER: 14740-2-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 467-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 845 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-416-950-11

Query Match 2.3%; Score 7; DB 1; Length 845;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
DB 270 SASSSSS 276

RESULT 41
US-08-469-830-11
Sequence 11, Application US/08469830
Patent No. 5932224
GENERAL INFORMATION:
APPLICANT: CHISARI, Francis V.
TITLE OF INVENTION: PEPTIDES FOR INDUCING CYTOTOXIC T
TITLE OF INVENTION: LYMPHOCYTE RESPONSES TO HEPATITIS B VIRUS
NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Townsend and Townsend Kourile and Crew
STREET: One Market Plaza, Stewart Street Tower
CITY: San Francisco
STATE: CA
COUNTRY: U.S.A.
ZIP: 94105-1492
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,830
FILING DATE: 06-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/100,870
FILING DATE: 02-AUG-1993
APPLICATION NUMBER: US 07/935,898
FILING DATE: 26-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/749,540
FILING DATE: 26-AUG-1991
ATTORNEY/AGENT INFORMATION:
NAME: Parmelee, Steven W.
REGISTRATION NUMBER: 31,990
REFERENCE/DOCKET NUMBER: 14740-2-2
TELECOMMUNICATION INFORMATION:
TELEPHONE: (206) 467-9600
TELEFAX: (415) 543-5043
INFORMATION FOR SEQ ID NO: 11:
SEQUENCE CHARACTERISTICS:
LENGTH: 845 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-469-830-11

Query Match 2.3%; Score 7; DB 2; Length 845;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 270 SASSSSS 276

RESULT 42
US-08-785-241-5
; Sequence 5, Application US/08785241
; Patent No. 5695963
; GENERAL INFORMATION:
; APPLICANT: McKnight, Steven L.
; APPLICANT: Russell, David W.
; TITLE OF INVENTION: Endothelial PAS Domain Protein
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SCIENCE & TECHNOLOGY LAW GROUP
; STREET: 268 BUSH STREET, SUITE 3200
; CITY: SAN FRANCISCO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94104
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/785,241
; FILING DATE: 17-JAN-1997
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: OSMAN, RICHARD A
; REGISTRATION NUMBER: 36,627
; REFERENCE/DOCKET NUMBER: UTSD:1229
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 343-4341
; TELEFAX: (415) 343-4342
; INFORMATION FOR SEQ ID NO: 5:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 875 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-785-241-5

Query Match 2.3%; Score 7; DB 1; Length 875;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 159 SASSSSS 165
|||||
DB 472 SASSSSS 478

RESULT 43
US-08-480-662-2
; Sequence 2, Application US/08480662
; Patent No. 5759782
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Brinkmann, Ulrich
; TITLE OF INVENTION: CELLULAR APOPTOSIS SUSCEPTIBILITY PROTEIN (CSP) AND AN
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Knobe, Martens, Olson and Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: CA
COUNTRY: USA
ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/480,662
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Israelsen, Ned A
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH12.001A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-235-8550
; TELEFAX: 619-235-0176
; TELEX:
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 971 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHEICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: N-terminal
; ORIGINAL SOURCE:
; US-08-480-662-2

Query Match 2.3%; Score 7; DB 1; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 273 LVRLIQA 279
|||||
DB 704 LVRLIQA 710

RESULT 44
US-08-918-190-2
; Sequence 2, Application US/08918190
; Patent No. 6072031
; GENERAL INFORMATION:
; APPLICANT: Pastan, Ira
; APPLICANT: Brinkmann, Ulrich
; TITLE OF INVENTION: CELLULAR APOPTOSIS SUSCEPTIBILITY
; TITLE OF INVENTION: PROTEIN (CSP) AND ANTISENSE CSP
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobe, Martens, Olson and Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: CA
; COUNTRY: USA
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FASTSEQ Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/918,190

;; FILING DATE:
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: 08/480,662
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Israelsen, Ned A
;; REGISTRATION NUMBER: 29,655
;; REFERENCE/DOCKET NUMBER: NIH12.001A
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; TELEX:
;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 971 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; FRAGMENT TYPE: N-terminal
;; ORIGINAL SOURCE:
;; US-08-918-190-2

Query Match 2.3%; Score 7; DB 3; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 273 LVRLQA 279
|11111|
Db 704 LVRLQA 710

RESULT 45
PCT-US96-09927-2
;; Sequence 2, Application PC/TUS9609927
;; GENERAL INFORMATION:
;; APPLICANT: The United States, As Represented by the
;; APPLICANT: Secretary, Department of Health and Human
;; APPLICANT: Services
;; TITLE OF INVENTION: CELLULAR APOPTOSIS
;; TITLE OF INVENTION: SUSCEPTIBILITY PROTEIN (CSP) AND ANTISENSE CSP
;; NUMBER OF SEQUENCES: 14
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Knobbe, Martens, Olson and Bear
;; STREET: 620 Newport Center Drive 16th Floor
;; CITY: Newport Beach
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92660
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FASTSEQ Version 1.5
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US96/09927
;; FILING DATE: 07-JUN-1995
;; CLASSIFICATION:
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US08/480662
;; FILING DATE: 07-JUN-1995
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Israelsen, Ned A
;; REGISTRATION NUMBER: 29,655
;; REFERENCE/DOCKET NUMBER: NIH12.0010PC
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-235-8550
;; TELEFAX: 619-235-0176
;; TELEX:

;; INFORMATION FOR SEQ ID NO: 2:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 971 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; HYPOTHEICAL: NO
;; ANTI-SENSE: NO
;; FRAGMENT TYPE: N-terminal
;; ORIGINAL SOURCE:
;; PCT-US96-09927-2

Query Match 2.3%; Score 7; DB 5; Length 971;
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 273 LVRLQA 279
|11111|
Db 704 LVRLQA 710

RESULT 46
US-08-545-860D-55
;; Sequence 55, Application US/08545860D
;; Patent No. 6040140
;; GENERAL INFORMATION:
;; APPLICANT: Croce, Carlo
;; APPLICANT: Canaan, Eli
;; TITLE OF INVENTION: Diagnostics, Therapeutics and Methods
;; TITLE OF INVENTION: for detection and treatment of Acute Leukemias
;; TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the ALL-1 Region
;; NUMBER OF SEQUENCES: 94
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Woodcock, Washburn, Kurtz, Mackiewicz &
;; ADDRESSEE: No. 6040140ris
;; STREET: One Liberty Place, 46th floor
;; CITY: Philadelphia
;; STATE: Pennsylvania
;; COUNTRY: USA
;; ZIP: 19103
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: Patent Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/545,860D
;; FILING DATE: 07-MAR-1996
;; CLASSIFICATION: 435
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US94/04496
;; FILING DATE: 22-APR-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US92/10930
;; FILING DATE: 09-DEC-1992
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/327,392
;; FILING DATE: 19-OCT-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/320,559
;; FILING DATE: 11-OCT-1994
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 08/062,443
;; FILING DATE: 14-MAY-1993
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 07/971,094
;; FILING DATE: 30-OCT-1992
;; PRIORITY APPLICATION DATA:
;; APPLICATION NUMBER: US 07/888,839
;; FILING DATE: 27-MAY-1992
;; PRIORITY APPLICATION DATA:

APPLICATION NUMBER: US 07/805,093
FILING DATE: 11-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Deluca Esq., Mark
REGISTRATION NUMBER: 33,229
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 1093 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO
US-08-545-860D-55

Query Match 2.3%; Score 7; DB 3; Length 1093;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 326 SASSSSS 332

RESULT 47
PCT-US94-04496-55
Sequence 55, Application PC/TUS9404496
GENERAL INFORMATION:
APPLICANT: Croce, Carlo
TITLE OF INVENTION: Diagnostics, Therapeutics and Methods
TITLE OF INVENTION: for Detection and Treatment of Acute Leukemias
TITLE OF INVENTION: Resulting from Chromosome Abnormalities in the ALL-1
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Woodcock, Washburn, Kurtz, Macklewitz &
ADDRESS: Norris
STREET: One Liberty Place, 46th floor
CITY: Philadelphia
STATE: Pennsylvania
COUNTRY: USA
ZIP: 19103
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US94/04496
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Deluca Esq., Mark
REGISTRATION NUMBER: 33,229
REFERENCE/DOCKET NUMBER: TJU-1242
TELEPHONE: (215) 568-3100
TELEFAX: (215) 568-3439
INFORMATION FOR SEQ ID NO: 55:
SEQUENCE CHARACTERISTICS:
LENGTH: 1093 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: NO
ANTI-SENSE: NO

PCT-US94-04496-55

Query Match 2.3%; Score 7; DB 5; Length 1093;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 326 SASSSSS 332

RESULT 48
US-08-690-473-2
Sequence 2, Application US/08690473
Patent No. 5876923
GENERAL INFORMATION:
APPLICANT: Leopardi, Rosario
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 AS AN
TITLE OF INVENTION: INHIBITOR OF APOPTOSIS
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESSES:
ADDRESSEE: Arnold, White & Durkee
STREET: P.O. Box 4433
CITY: Houston
STATE: Texas
COUNTRY: USA
ZIP: 77210
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/690,473
FILING DATE: 26-JUL-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Highlander, Steven L.
REGISTRATION NUMBER: 37,642
REFERENCE/DOCKET NUMBER: ARCD:239
TELEPHONE: 512/418-3000
TELEFAX: 512/474-7577
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 1298 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: linear
US-08-690-473-2

Query Match 2.3%; Score 7; DB 2; Length 1298;
Best Local Similarity 100.0%; Pred. No. 3e+02;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 159 SASSSSS 165
Db 191 SASSSSS 197

RESULT 49
US-09-259-821A-2
Sequence 2, Application US/09259821A
Patent No. 6210926
GENERAL INFORMATION:
APPLICANT: LEOPARDI, ROSARIO
TITLE OF INVENTION: HERPES SIMPLEX VIRUS ICP4 IS AN INHIBITOR OF APOPTOSIS
FILE REFERENCE: ARCD:317
CURRENT APPLICATION NUMBER: US/09/259,821A

: CURRENT FILING DATE: 1999-03-01
 : PRIOR APPLICATION NUMBER: 08/690,473
 : PRIOR FILING DATE: 1996-07-26
 : NUMBER OF SEQ ID NOS: 2
 : SOFTWARE: PatentIn Ver. 2.1
 : SEQ ID NO 2:
 : LENGTH: 1298
 : TYPE: PRT
 : ORGANISM: HERPES VIRUS, TYPE 1
 US-09-259-821A-2

Query Match 2.3%; Score 7; DB 4; Length 1298;
 Best Local Similarity 100.0%; Pred. No. 3e+02;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 159 SASSSSS 165
 Db 191 SASSSSS 197

RESULT 50
 US-08-559-303B-78
 : Sequence 78, Application US/08559303B
 : Patent No. 5824501
 : GENERAL INFORMATION:
 : APPLICANT: NATHAN A. ELLIS, JAMES GERMAN, AND JOANNA
 : APPLICANT: GRODEN
 : TITLE OF INVENTION: METHODS FOR DIAGNOSIS AND TREATMENT
 : TITLE OF INVENTION: OF BLOOD'S SYNDROME
 : NUMBER OF SEQUENCES: 78
 : CORRESPONDENCE ADDRESS:
 : ADDRESSEE: AMSTER, ROTHSTEIN & EBENSTEIN
 : STREET: 90 PARK AVENUE
 : CITY: NEW YORK
 : STATE: NEW YORK
 : COUNTRY: U.S.A.
 : ZIP: 10016
 : COMPUTER READABLE FORM:
 : MEDIUM TYPE: 3.5 INCH 1.44 MB STORAGE DISKETTE
 : COMPUTER: IBM PC COMPATIBLE
 : OPERATING SYSTEM: MS-DOS
 : SOFTWARE: ASCII
 : CURRENT APPLICATION DATA:
 : APPLICATION NUMBER: US/08/559,303B
 : FILING DATE: NOVEMBER 15, 1995
 : ATTORNEY/AGENT INFORMATION:
 : NAME: ELIZABETH A. BOGOSIAN
 : REGISTRATION NUMBER: 39,911
 : REFERENCE/DOCKET NUMBER: 63475/65
 : TELECOMMUNICATION INFORMATION:
 : TELEPHONE: (212) 697-5995
 : TELEFAX: (212) 286-0854 or 286-0082
 : TELEX: TWX 710-581-4766
 : INFORMATION FOR SEQ ID NO: 78:
 : SEQUENCE CHARACTERISTICS:
 : LENGTH: 1417
 : TYPE: AMINO ACID
 : STRANDEDNESS: SINGLE
 : TOPOLOGY: LINEAR
 : MOLECULE TYPE:
 : DESCRIPTION: OTHER NUCLEIC ACID
 : HYPOTHETICAL: YES
 : ANTI-SENSE: NO
 : FEATURE:
 : NAME/KEY:
 : LOCATION:
 : IDENTIFICATION METHOD:
 : OTHER INFORMATION:
 US-08-559-303B-78

Query Match 2.3%; Score 7; DB 2; Length 1417;

Best Local Similarity 100.0%; Pred. No. 3.3e+02;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 Oy 159 SASSSSS 165
 Db 310 SASSSSS 316

Search completed: May 23, 2001, 16:05:41
 Job time: 633 sec
